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# **FINAL QUARTERLY REPORT**

**FOR JULY THROUGH SEPTEMBER 1994  
INCLUDING DATA SUMMARY FOR APRIL THROUGH JUNE 1994**

**OPERABLE UNIT 1  
IM/IRA TREATMENT FACILITY**

PREPARED BY



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Attachment 1  
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**ADMIN RECORD**

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## **SECTION A - OPERATIONS SUMMARY**

### **1.0 OPERATIONS SUMMARY INTRODUCTION**

The Operable Unit No. 1 (OU-1) water treatment facility located in Building 891 is responsible for treating groundwater collected from the 881 Hillside area. The water is collected in a french drain located on the 881 hillside and pumped to the influent storage tanks located at Building 891 (see Figure 1.0.1). Next, the water is treated with an ultraviolet (UV) light/hydrogen peroxide system (for removal of volatile organic compounds) and a four-step ion exchange (IX) system (for removal of uranium, total dissolved solids, hardness, alkalinity, anions, and selected metals). After treatment, the water is stored in one of three effluent storage tanks until laboratory sample results verify that the water chemistry meets ARARs and is acceptable for discharge into the South Interceptor Ditch (SID).

This report reflects the Building 891 Treatment Facility operations and data that are critical for determining optimal operating practices. Section A (Operations Summary) of the report deals specifically with day to day operations activities for the July through September period. Section B (Data Summary for April through June 1994) of the report includes specific data for the groundwater wells, influent sources, and treatment system performance. Validated results are used to evaluate this data.

### **2.0 INFLUENT WATER CHARACTERISTICS**

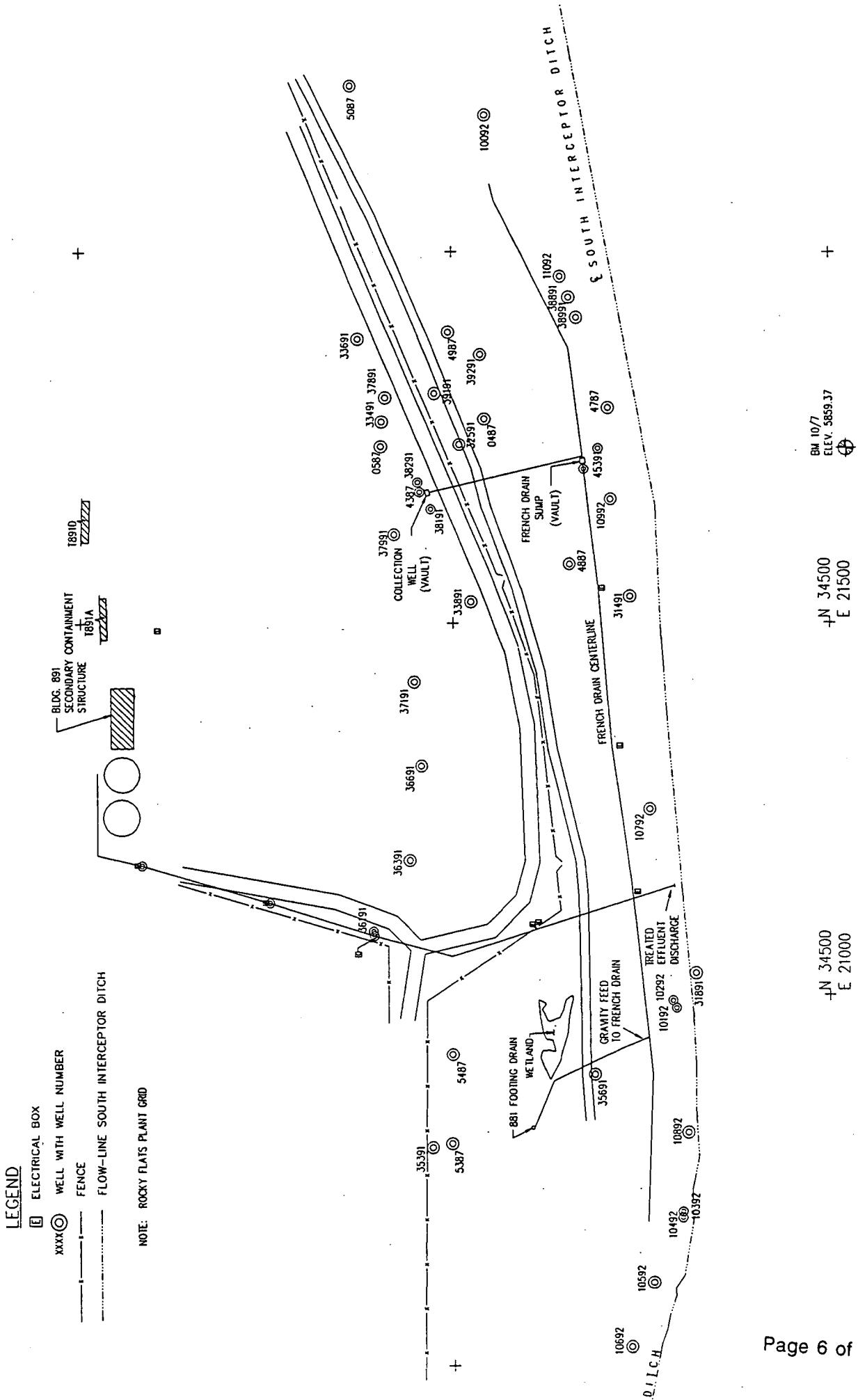
Influent water for the treatment facility comes from three different sources on the 881 Hillside. These sources include the 881 footing drain, the collection well CW001 (located upgradient of the french drain), and groundwater intercepted by the french drain. Water from the 881 footing drain flows by gravity into the french drain, mixes with groundwater, and collectively flows by gravity towards the french drain sump (see Figure 2.0.1). Collection well water is pumped directly into the french drain sump and mixed with the groundwater/footing drain water. The combined water is then pumped from the french drain sump into the treatment system influent tanks. Sampling is performed at each of the 881 footing drain, collection well, and the french drain sump locations for characterization of the influent waters.

#### **2.1 INFLUENT FLOW RATES**

Significantly increased quantities of water have been pumped from the collection well since June 1994. Previously, the water was only collected when levels reached the 4 to 8 foot range (measured water level from the bottom of the well). Water would automatically be pumped out of the well when the level reached 8 feet (low level shutoff would occur at 4 feet). However, the levels rarely rose to the high level setting, resulting in only 75 gallons being collected per quarter. Currently, the well is being manually pumped down to approximately 1 foot in order to increase the quantity of water extracted from the well and facilitate more effective

Figure 2.0.1

# 881 HILLSIDE AREA



remediation. Utilizing this method, it is estimated that 6,600 gallons of water were pumped to the french drain sump during the July through September collection period.

A blockage in the culvert (managed by the 800 area) that drains into the 881 footing drain vault resulted in water backing up into an 800 area RCRA unit. It has been necessary to bypass the drainage culvert (and the weir type flowmeter) and pump water directly into the french drain. This blockage has been present for several years and periodically requires that tree roots be cleared from obstructing the line. Previous efforts to replace this line by 800 area personnel have been hindered by depleted funding. Flowrates were observed to be minimal (1 - 3 gpm on average) during the past quarter.

The magnetic flowmeter influent to the UV/Peroxide system measured 137,356 gallons collected during the period.

## **2.2 INFLUENT CONTAMINANTS**

Review of the most recent data (April through June 1994) from the french drain sump indicates no significant change in the levels of contamination present in the groundwater. Volatile organics at levels in the 500 - 1000 ppb range were recently detected at the collection well. It is expected that these waters should affect the VOC concentrations in the french drain sump sample analysis in future sampling events.

## **3.0 TREATMENT FACILITY PERFORMANCE**

The treatment system performance is measured by various criteria. Quantity of water treated, contamination destruction or removal efficiency, waste generation, operating costs, chemical usage, and system reliability. These criteria are evaluated individually below. In general, the system could not be operated at its optimal level due to the low volumes of water treated. This is due to the inherent cost of maintaining the facility regardless of whether water is treated or not (ie. the cost is roughly the same to treat 100,000 or 500,000 gallons). However, the system did operate effectively when adequate water was available. Data on these criteria are utilized to modify or adjust the system as necessary for optimal performance. An operations database system is presently under development for computerized data entry of all operational information.

### **3.1 QUANTITY OF WATER TREATED**

Approximately 138,000 gallons of groundwater were treated at the treatment facility during the past quarter. Two effluent tanks (210,000 gallons) of treated effluent were released to the South Interceptor Ditch. Approximately 2,600,000 gallons of water have been processed through the system to date.

### **3.2 WATER FROM OTHER SOURCES**

No waters from other sources were accepted at the treatment facility during the past reporting period. A letter of concurrence was received (late in the quarter) from DOE allowing the

treatment of incidental and purge waters at the 891 Treatment Facility. The acceptance of these waters will be subject to acceptance criteria which have been developed for this facility. These include limits on certain sample parameters and verification that the water is acceptable.

### 3.3 CHEMICAL USAGE

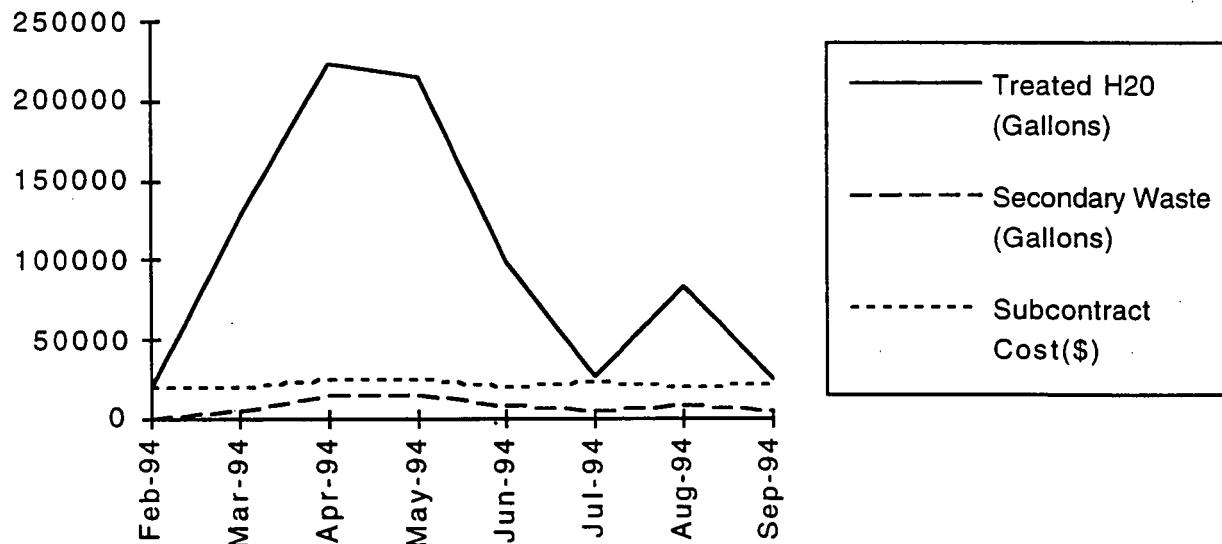
Hydrochloric acid is utilized in the ion exchange system for regeneration of resins in IX#2 (weak acid cation exchanger) and IX#3 (strong acid cation exchanger). The resin in IX#4 (weak base anion exchanger) is regenerated with sodium hydroxide. IX#1 is a strong base anion exchange resin which is not regenerated.

A total of 460 gallons of hydrochloric acid and 265 gallons of sodium hydroxide were used for regeneration and neutralization activities during the July through September 1994 period. Approximately 4 gallons of hydrogen peroxide were used for the UV/Peroxide destruction unit.

### 3.4 WASTE GENERATION

Waste generated at the treatment facility includes sock filters and neutralized regenerant water. One 55 gallon drum of sock filters has been generated in 30 months of operation. Four tanker truck loads of neutralized regenerant water from Tank T-210 (16,000 gallons) were sent to the 374 evaporator for processing this quarter. Figure 3.4.1 compares the quantity of water treated to the amount of secondary waste generated and subcontractor operating costs.

**Building 891 Treated H<sub>2</sub>O vs. Secondary Waste  
and Subcontractor Operating Costs**



**FIGURE 3.4.1**

### **3.5 OPERATING COSTS**

Subcontracted operating costs for this quarter totaled approximately \$65,000. These costs include chemical purchases, spare parts, labor, and document preparation which are performed under the current operations and maintenance subcontract. Figure 3.4.1 emphasizes the fact that operating costs are fairly consistent and independent of volume of water treated.

### **3.6 MAINTENANCE**

The following maintenance was performed during the July through September 1994 operating period:

- \* Installed and calibrated new sensor for the 881 footing drain flowmeter.
- The manufacturer of the UV/Peroxide Organic Destruction Unit performed electrical modifications/upgrades on the system.
- Completed installation of pulsation dampeners and additional bracing on the acid and caustic regeneration systems.
- Repaired level detection system in Influent Tank T-202.
- Repaired leaking peroxide pump.
- Replaced air compressor for french drain level detection system.
- The 891 infrastructure replacement was initiated at the end of the reporting period.

### **4.0 ENVIRONMENTAL COMPLIANCE/EFFLUENT TANK SAMPLING**

Each effluent tank is sampled and analyzed prior to discharge. During the past quarter, two effluent tanks were discharged (approximately 210,000 gallons) into the south interceptor ditch. All parameters were below ARARs for these tanks.

### **5.0 REPORTS AND CORRESPONDENCE**

Letters of concurrence on the acceptance and treatment of incidental and purge waters at the 891 Facility were received from EPA (Environmental Protection Agency), CDPH&E (Colorado Department of Public Health and Environment), and DOE.

A letter was received from EPA allowing the discontinuation of the footing drain to move forward. However, a letter from CDH had not yet been received by the end of the quarter.

## **6.0 ANTICIPATED OPERATIONS FOR NEXT QUARTER**

The Building 891 Infrastructure repair/replacement will be completed during the next quarter.

It is expected that approval for discontinuation of the 881 footing drain will be obtained during the next quarter. This will eliminate 90% of the water collected in the french drain system. As a result of the discontinuation of the footing drain, a reconfiguration of the Recovery Well may be needed to segregate the two remaining sources (french drain and collection well) of groundwater on the 881 Hillside. Concerns have been expressed that the collection well water may contaminate the french drain without the diluting effect of the footing drain water. In addition, the segregation of these two sources will allow for more effective and accurate characterization of the water at each location. In order to segregate the two sources, a temporary collection system will be implemented for the collection well until a permanent reconfiguration can be completed.

Efforts will be focused on preparing the facility for treatment of waters from other sources on plantsite such as incidental and purge waters.

## **7.0 OPERATIONS SUMMARY/CONCLUSIONS**

Approximately 2,600,000 gallons of waters have been treated to date at the treatment facility. Nearly 138,000 gallons of groundwater were treated during the past quarter. An estimated 210,000 gallons of effluent were effectively treated and released from the effluent tanks. As anticipated, the lower flow volume summer months allowed for upgrades and maintenance on the system to be performed. These activities included the installation of pulsation dampeners on the acid/caustic regeneration systems, upgrades/maintenance on the UV/Peroxide system, and the Building 891 infrastructure replacement.

## **SECTION B - DATA SUMMARY FOR APRIL THROUGH JUNE 1994**

### **8.0 DATA SUMMARY INTRODUCTION**

This section of the report reflects the Building 891 Treatment Facility operations parameters and associated Operable Unit #1 data. Documentation included covers the time period from April through June 1994. All data has been validated. Data collected are used to determine optimal operating practices at the 891 treatment facility.

### **9.0 GROUNDWATER ANALYSIS**

The French Drain Performance Monitoring Plan (FDPMP) requires data for monitoring french drain performance. The FDPMP requires groundwater level measurements of designated french drain monitoring wells 10092, 10192, 10292, 10392, 10492, 10592, 10692, 10792, 10892, 10992, 11092, 39991, 45391, 4887, 35691, 31491, and 4787. Additionally, quarterly water quality sampling of the wells is required. Not all locations are sampled for all parameters due to the small quantities of water generated at most of these locations.

Sulfate (320 - 480 mg/l), total dissolved solids (1100 - 1500 mg/l), total selenium (10.2 - 685 ug/l), and gross alpha (28 pCi/l) are the only parameters exceeding ARARs. These exceedances are primarily in wells near the western termination of the french drain and are typical of results from past sampling. Low level volatile detections (tetrachloroethene = .6 - 2 ug/l, toluene = 4 ug/l) were found in a few locations but were well below the ARARs established for OU1. A summary of the results is found in Appendix A.

### **9.1 GROUNDWATER ELEVATIONS**

Figure 9.1.1 is a water level map that was constructed from April through June 1994 water level data. Water level grids were constructed from these data using a 50-foot grid spacing. The existing bedrock grid for OU1 was then subtracted from the respective water level grid to obtain a saturated thickness grid. Areas within these saturated thickness grids that were negative were considered to be unsaturated. In these areas the calculated water level grid extended below the bedrock surface. The saturated thickness grids were then edited to match known areas within OU1 that contain dry wells. These edited saturated thickness grids were then added to the bedrock grid to obtain a new water level grid for each quarter. This water level grid is the basis for the presented map.

The map presents the configuration of water levels at the Operable Unit 1 (881 Hillside) from July through September 1994. Examination of the current map compared to those of previous quarters indicates that large areas of the 881 Hillside continue to appear unsaturated.

## 10.0 INFLUENT CHARACTERIZATION

Influent water for the treatment facility comes from three different sources on the 881 Hillside. These sources include the 881 footing drain, the collection well CW001 (located upgradient of the french drain), and groundwater intercepted by the french drain. Water from the 881 footing drain flows by gravity into the french drain, mixes with groundwater, and collectively flows by gravity towards the french drain sump. Collection well water is pumped directly into the french drain sump and mixed with the groundwater/footing drain water. The combined water is then pumped from the french drain sump into the treatment system influent tanks. Sampling is performed at each of the 881 footing drain, recovery well, and the french drain sump for characterization of the influent waters.

Appendix B illustrates the analytical results for April through June 1994 at the French Drain Sump, 881 Footing Drain, Collection Well, and UV Influent (metals) respectively. Most parameters were found to be below ARAR with the exception of the Total Dissolved Solids which remain above the ARAR of 400 mg/l for all locations. Detections of tetrachloroethene at levels of 6 ppb or less were found in the footing drain samples, and consequently in somewhat lower levels in the french drain sump samples.

Samples taken from the collection well in June 1994 verify that there has been an increase in the levels of volatile organics detected in this area. Previous sample results at this location demonstrated results under 20 ppb for trichloroethene and tetrachloroethene. Reasons for the increase in detected volatiles may include a higher residence time for contamination during the period of non-collection, the migration of contamination into the area of the well's influence, a larger area of influence or capture zone by the well, or that the previously utilized bubbler type level detection system adversely influenced the results. Volatiles detected in this set of data included the following:

1,1,1 Trichloroethane	6 ppb
1,1 Dichloroethene	17 ppb
Tetrachloroethane	89 ppb
Trichloroethene	880 ppb
Carbon Tetrachloride	4 ppb

Other compounds (2- butanone = 80 ug/l, tetrahydrofuran = 19 ug/l, and hexanedioic acid 97 ug/l) were also detected in this sample. It is believed that these compounds are contributed by the PVC cement and pipe that was used to perform the collection well repair in June 1994. The first two compounds are listed as ingredients in the PVC cement and hexanedioic acid is used in the composition of the PVC pipe. It is expected that these levels will dissipate over the next few months.

## **11.0 CONTAMINATION DESTRUCTION/UV SYSTEM AND ION EXCHANGE SYSTEM EFFICIENCY SAMPLING**

The primary purpose of sampling inside Building 891 is to determine the efficiency of the system in the removal of target contaminants (uranium, metals, anions, VOCs). No significant variations in radiochemistry, water quality, or metals were found in any influent waters sampled.

### **11.1 IX#1 PERFORMANCE**

IX#1 contains a strong base anion exchange resin which serves to remove uranium from the groundwater. Influent water contains uranium in the form of a carbonate complex (negatively charged). This ion loads on the strong base resin located in the first ion exchange column, thus removing uranium from the water. Unlike the other resins in the system, this resin is not regenerated. Influent and effluent results for IX#1 are shown in Table 11.1.1. These results are consistent with previous samples taken at this location. Influent uranium activity levels continue to remain below 10 pCi/l. A 99% reduction in the uranium activity level is routinely achieved.

### **11.2 IX#2 PERFORMANCE**

The IX#2 resin is a weak acid cation exchange resin. The primary function of the resin is to remove hardness associated with alkalinity (calcium and magnesium). Since these parameters are not of special interest (no ARARs), samples are not taken to determine the efficiency of this column. However, based on influent vs. effluent data, this column is adequately reducing the levels of calcium and magnesium for further treatment in IX#3.

### **11.3 IX#3 PERFORMANCE**

The IX#3 resin is a strong acid cation exchanger. The primary function of this column is to remove metals from the water. Sample results obtained from the effluent of IX#2 and IX#3 (Refer to Tables 11.3.1 - 11.3.5) provide valuable information about the performance of this resin.

Metals samples are consistent with those of previous reporting periods. A high percentage (90%) of removal can be established for magnesium, sodium, calcium, potassium, and strontium with the support of the April through June results. The lack of other metals in the influent does not facilitate comparison of influent and effluent results for the remaining parameters. The evidence provided by this data does support the observation that the resins remain in good condition and continue to perform adequately in removing metals from the water.

TABLE 11.1.1

IX1 Performance April - June 1994

891 IX1 Influent Rads April - June 1994

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
FT10215RG	20-Apr-94	URANIUM-233,-234		4 PCI/L	0.7		V		
		URANIUM-235		0.13 PCI/L	0.1	U	V		
		URANIUM-238		2.9 PCI/L	0.57		V		
		TOTAL URANIUM	7.03		1.37			40	0
FT10243RG	10-May-94	AMERICIUM-241	0.005	PCI/L	0.004	J	Y	4	0
		PLUTONIUM-239/240	0.001	PCI/L	0.001	U	Y	15	0
FT10262RG	8-Jun-94	URANIUM-233,-234		3.8 PCI/L	0.58		Y		
		URANIUM-235		0.14 PCI/L	0.12	U	Y		
		URANIUM-238		2.9 PCI/L	0.49		Y		
		TOTAL URANIUM	6.84		1.19			40	0

891 IX1 Effluent Rads April - June 1994

FT10216RG	20-Apr-94	URANIUM-233,-234	0.023	PCI/L	0.092	U	V		
		URANIUM-235	0.028	PCI/L	0.056	U	V		
		URANIUM-238	0.023	PCI/L	0.046	U	V		
		TOTAL URANIUM	0.074		0.194			40	0
		Percent Removal Total U		99.99					
FT10244RG	10-May-94	AMERICIUM-241	0.001	PCI/L	0.003	U	Y	4	0
		PLUTONIUM-239/240	-0.001	PCI/L	0.001	U	Y	15	0
FT10263RG	8-Jun-94	URANIUM-233,-234	0.018	PCI/L	0.073	U	Y		
		URANIUM-235	0	PCI/L	0.044	U	Y		
		URANIUM-238	0.055	PCI/L	0.073	U	Y		
		TOTAL URANIUM	0.073		0.19			40	0
		Percent Removal Total U		99.99					

TABLE 11.3.1

IX2 Effluent Metals April - June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10217RG	20-Apr-94	ALUMINUM	25.6	UG/L	U	JA	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	1.3	UG/L	B	V	50	0
		BARIUM	1.7	UG/L	U	JA	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	3	UG/L	U	V	10	0
		CALCIUM	12700	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	3.4	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	2.4	UG/L	U	JA	200	0
		IRON	20.4	UG/L	U	JA	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	12.5	UG/L	B	V	2500	0
		MAGNESIUM	14000	UG/L		V		
		MANGANESE	1	UG/L	U	V	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	4.3	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	3280	UG/L	B	V		
		SELENIUM	4.9	UG/L	B	V	10	0
		SILICON	5810	UG/L		V		
		SILVER	2	UG/L	U	V	50	0
		SODIUM	49400	UG/L		V		
		STRONTIUM	212	UG/L		V		
		THALLIUM	1	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	3.3	UG/L	U	JA	100	0
		ZINC	10.6	UG/L	U	JA	2000	0
FT10264RG	8-Jun-94	ALUMINUM	16.6	UG/L	U	JA	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	2.6	UG/L	B	V	50	0
		BARIUM	43.1	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	21.6	UG/L	*	JA	10	1
		CALCIUM	26300	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	4.3	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	1	UG/L	U	R	200	0
		IRON	33.6	UG/L	U	JA	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	11.5	UG/L	B	V	2500	0
		MAGNESIUM	13300	UG/L		V		
		MANGANESE	1.5	UG/L	B	V	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	3.8	UG/L	U	JA	100	0
		NICKEL	6.4	UG/L	B	V	200	0
		POTASSIUM	2330	UG/L	U	JA		
		SELENIUM	5.1	UG/L		V	10	0
		SILICON	5750	UG/L		V		
		SILVER	2	UG/L	U	V	50	0
		SODIUM	49000	UG/L		V		
		STRONTIUM	171	UG/L	B	V		
		THALLIUM	2	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	3.2	UG/L	U	JA	100	0
		ZINC	10.6	UG/L	U	JA	2000	0

TABLE 11.3.2

IX2 Effluent Water Quality April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10217RG	20-Apr-94	TOTAL DISSOLVED SOLIDS	270	MG/L		V	400	0
FT10245RG	10-May-94	CHLORIDE	120	MG/L		V	250	0
FT10245RG	10-May-94	FLUORIDE		1 MG/L		V		
FT10245RG	10-May-94	SULFATE		48 MG/L		V	250	0
FT10245RG	10-May-94	TOTAL DISSOLVED SOLIDS	280	MG/L		V	400	0
FT10245RG	10-May-94	TOTAL SUSPENDED SOLIDS	4	MG/L	U	V		
FT10264RG	8-Jun-94	TOTAL DISSOLVED SOLIDS	340	MG/L		V	400	0

TABLE 11.3.3

891 IX3 Effluent Metals April - June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10218RG	20-Apr-94	ALUMINUM	21.54	UG/L	B	Z	5000	0
		ANTIMONY	14	UG/L	U	Z	60	0
		ARSENIC	1.3	UG/L	B	Z	50	0
		BARIUM	1	UG/L	U	Z	1000	0
		BERYLLIUM	1	UG/L	U	Z	100	0
		CADMUM	3	UG/L	U	Z	10	0
		CALCIUM	374.26	UG/L	B	Z		
		CESIUM	63	UG/L	U	Z		
		CHROMIUM	4.08	UG/L	B	Z	50	0
		COBALT	2	UG/L	U	Z		
		COPPER	1.83	UG/L	B	Z	200	0
		IRON	20.36	UG/L	B	Z	300	0
		LEAD	1	UG/L	U	Z	50	0
		LITHIUM	9.45	UG/L	B	Z	2500	0
		MAGNESIUM	83.83	UG/L	B	Z		
		MANGANESE	1	UG/L	U	Z	50	0
		MERCURY	0.2	UG/L	U	Z	2	0
		MOLYBDENUM	4.33	UG/L	B	Z	100	0
		NICKEL	6	UG/L	U	Z	200	0
		POTASSIUM	621.42	UG/L	B	Z		
		SELENIUM	4.7	UG/L	B	Z	10	0
		SILICON	5911.82	UG/L		Z		
		SILVER	2	UG/L	U	Z	50	0
		SODIUM	820.69	UG/L	B	Z		
		STRONTIUM	2.91	UG/L	B	Z		
		THALLIUM	1	UG/L	U	Z	10	0
		TIN	10	UG/L	U	Z		
		VANADIUM	2	UG/L	U	Z	100	0
		ZINC	9.77	UG/L	B	Z	2000	0
FT10218RG	20-Apr-94	ALUMINUM	18.2	UG/L	U	JA	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	1.6	UG/L	B	V	50	0
		BARIUM	1	UG/L	U	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMUM	3	UG/L	U	V	10	0
		CALCIUM	382	UG/L	B	V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	3.4	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	1.6	UG/L	U	JA	200	0
		IRON	20.6	UG/L	U	JA	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	9	UG/L	B	V	2500	0
		MAGNESIUM	101	UG/L	U	JA		
		MANGANESE	1	UG/L	U	V	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	4.3	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	560	UG/L	U	JA		
		SELENIUM	3.5	UG/L	B	V	10	0
		SILICON	5880	UG/L		V		
		SILVER	2	UG/L	U	V	50	0

TABLE 11.3.4

891 IX3 Effluent Metals April - June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10218RG	20-Apr-94	SODIUM	821	UG/L	B	V		
		STRONTIUM	2.8	UG/L	B	V		
		THALLIUM	1	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	2	UG/L	U	V	100	0
		ZINC	15.2	UG/L	U	JA	2000	0
FT10246RG	10-May-94	ALUMINUM	22.7	UG/L	B	Y	5000	0
		ANTIMONY	22.6	UG/L	B	Y	60	0
		ARSENIC	1.1	UG/L	B	Y	50	0
		BARIUM	1	UG/L	U	Y	1000	0
		BERYLLIUM	1	UG/L	U	Y	100	0
		CADMIUM	3	UG/L	U	Y	10	0
		CALCIUM	78.3	UG/L	B	Y		
		CESIUM	63	UG/L	U	Y		
		CHROMIUM	5.5	UG/L	B	Y	50	0
		COBALT	2	UG/L	U	Y		
		COPPER	1	UG/L	U	Y	200	0
		IRON	29	UG/L	B	Y	300	0
		LEAD	1	UG/L	U	Y	50	0
		LITHIUM	19.8	UG/L	B	Y	2500	0
		MAGNESIUM	26.6	UG/L	B	Y		
		MANGANESE	1	UG/L	U	Y	50	0
		MERCURY	0.2	UG/L	U	Y	2	0
		MOLYBDENUM	3	UG/L	U	Y	100	0
		NICKEL	6	UG/L	U	Y	200	0
		POTASSIUM	389	UG/L	B	Y		
		SELENIUM	3.3	UG/L	B+	Y	10	0
		SILICON	5980	UG/L		Y		
		SILVER	2.1	UG/L	B	Y	50	0
		SODIUM	17500	UG/L		Y		
		STRONTIUM	1	UG/L	U	Y		
		THALLIUM	2	UG/L	UWN	Y	10	0
		TIN	10	UG/L	U	Y		
		VANADIUM	2	UG/L	U	Y	100	0
		ZINC	5.2	UG/L	B	Y	2000	0
FT10265RG	8-Jun-94	ALUMINUM	23.4	UG/L	U	JA	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	2.5	UG/L	B	V	50	0
		BARIUM	1	UG/L	U	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	3	UG/L	U*	JA	10	0
		CALCIUM	97.2	UG/L	B	V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	4.8	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	1.8	UG/L	U	JA	200	0
		IRON	60.2	UG/L	B	V	300	0
		LEAD	1	UG/L	UW	V	50	0
		LITHIUM	3	UG/L	B	V	2500	0
		MAGNESIUM	23	UG/L	U	JA		
		MANGANESE	1.1	UG/L	B	V	50	0

TABLE 11.3.5

891 IX3 Effluent Metals April - June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10265RG	8-Jun-94	MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	5.5	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	543	UG/L	U	JA		
		SELENIUM	4.1	UG/L	B	V	10	0
		SILICON	6130	UG/L		V		
		SILVER	2	UG/L	U	V	50	0
		SODIUM	2210	UG/L	B	V		
		STRONTIUM	1	UG/L	U	V		
		THALLIUM	2	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	2	UG/L	U	V	100	0
		ZINC	15.2	UG/L	U	JA	2000	0

#### **11.4 IX#4 PERFORMANCE**

The IX#4 resin is a weak base anion exchange resin. The primary function of this resin is to remove anions (such as chloride, sulfate, nitrate/nitrite etc.) from the water. Removal efficiency sampling (Refer to Table 11.4.1 and 11.4.2) indicates that good removal of chloride (75-99%), sulfate (95%), nitrate/nitrite (86-99%), TDS (60-93%) continues in the system.

#### **11.5 UV/PEROXIDE SYSTEM**

Tables 11.5.1 - 11.5.8 describe the UV system influent and UV system effluent data. Insufficient contaminants were found in the influent samples to evaluate the performance of the system. It was observed that acetone detections were identified in the UV effluent samples. Further review of this data is being conducted to determine if the system is producing unanticipated by-products or if lab contaminants may have been introduced.

#### **12.0 SUMMARY**

Data presented in this report supports the idea that the treatment facility continues to perform as expected. Ion exchange resins seem to demonstrate highly effective removal of targeted parameters. Replacement of these resins does not appear to be necessary in the near future.

TABLE 11.4.1

891 IX3 Effluent Water Quality April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10218RG	20-Apr-94	CHLORIDE	120	MG/L		V	250	0
		FLUORIDE	0.9	MG/L		V		
		NITRATE/NITRITE	5	MG/L		V	10	0
		SULFATE	41	MG/L		V	250	0
		TOTAL DISSOLVED SOLIDS	30	MG/L		V	400	0
		TOTAL SUSPENDED SOLIDS	4	MG/L	U	V		
FT10246RG	10-May-94	CHLORIDE	120	MG/L		Y	250	0
		FLUORIDE	1.1	MG/L		Y		
		NITRATE/NITRITE	5.8	MG/L		Y	10	0
		SULFATE	47	MG/L		Y	250	0
		TOTAL DISSOLVED SOLIDS	170	MG/L		Y	400	0
		TOTAL SUSPENDED SOLIDS	4	MG/L	U	Y		
FT10265RG	8-Jun-94	CHLORIDE	110	MG/L		V	250	0
		FLUORIDE	1	MG/L		V		
		NITRATE/NITRITE	6	MG/L		V	10	0
		SULFATE	42	MG/L		V	250	0
		TOTAL DISSOLVED SOLIDS	240	MG/L		V	400	0
		TOTAL SUSPENDED SOLIDS	4	MG/L	U	V		

TABLE 11.4.2

891 IX4 Effluent Water Quality April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10219RG	20-Apr-94	BICARBONATE AS CACO3	2	MG/L		Z		
		BICARBONATE AS CACO3	10	MG/L		Z		
		CARBONATE AS CACO3	4	MG/L		Z		
		CARBONATE AS CACO3	1	MG/L	U	Z		
		FLUORIDE	0.1	MG/L	U	Z		
FT10219RG	20-Apr-94	BICARBONATE AS CACO3	4	MG/L		V		
		CARBONATE AS CACO3	4	MG/L		V		
		CHLORIDE	0.6	MG/L		V	250	0
		FLUORIDE	0.1	MG/L	U	V	10	0
		NITRATE/NITRITE	0.02	MG/L	U	V	250	0
		SULFATE	2	MG/L		V	400	0
		TOTAL DISSOLVED SOLIDS	10	MG/L	U	V	250	0
FT10247RG	10-May-94	TOTAL SUSPENDED SOLIDS	4	MG/L	U	V		
		BICARBONATE AS CACO3	22	MG/L		Y		
		CARBONATE AS CACO3	1	MG/L	U	Y		
		CHLORIDE	32	MG/L		Y	250	0
		FLUORIDE	1.4	MG/L		Y		
		NITRATE/NITRITE	0.8	MG/L		Y	10	0
		SULFATE	2	MG/L	U	Y	250	0
		TOTAL DISSOLVED SOLIDS	71	MG/L		Y	400	0
FT10266RG	8-Jun-94	TOTAL SUSPENDED SOLIDS	4	MG/L	U	Y		
		BICARBONATE AS CACO3	16	MG/L		V		
		CARBONATE AS CACO3	1	MG/L	U	V		
		CHLORIDE	0.7	MG/L		V	250	0
		FLUORIDE	0.1	MG/L		V		
		NITRATE/NITRITE	0.02	MG/L	U	V	10	0
		SULFATE	2	MG/L	U	V	250	0
		TOTAL DISSOLVED SOLIDS	17	MG/L		V	400	0
		TOTAL SUSPENDED SOLIDS	4	MG/L	U	V		

TABLE 11.5.1

891 UV Performance April - June 1994

## UV Influent

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10213RG	20-Apr-94	1,1,1-TRICHLOROETHANE	5	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	5	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	5	UG/L	U	V		
		1,1-DICHLOROETHANE	5	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	5	UG/L	U	V	7	0
		1,2 DICHLOROETHANE -D4	112	%REC	Z			
		1,2-DICHLOROETHANE	5	UG/L	U	V	5	0
		1,2-DICHLOROETHENE	5	UG/L	U	V		
		1,2-DICHLOROPROPANE	5	UG/L	U	V		
		2-BUTANONE	10	UG/L	U	R		
		2-HEXANONE	10	UG/L	U	V		
		4-METHYL-2-PENTANONE	10	UG/L	U	V		
		ACETONE	10	UG/L	U	V		
		BENZENE	5	UG/L	U	V		
		BROMODICHLOROMETHANE	5	UG/L	U	V		
		BROMOFLUOROBENZENE	99	%REC	Z			
		BROMOFORM	5	UG/L	U	V		
		BROMOMETHANE	10	UG/L	U	V		
		CARBON DISULFIDE	5	UG/L	U	V		
		CARBON TETRACHLORIDE	5	UG/L	U	V	5	0
		CHLOROBENZENE	5	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	5	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	5	UG/L	U	V		
		ETHYLBENZENE	5	UG/L	U	V		
		METHYLENE CHLORIDE	5	UG/L	U	V		
		STYRENE	5	UG/L	U	V		
		TETRACHLOROETHENE	2	UG/L	J	A	5	0
		TOLUENE	5	UG/L	U	V	2000	0
		TOLUENE - D8	110	%REC	Z			
		TOTAL XYLEMES	5	UG/L	U	V		
		TRICHLOROETHENE	1	UG/L	J	A	5	0
		VINYL ACETATE	10	UG/L	U	V		
		VINYL CHLORIDE	10	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	5	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	5	UG/L	U	V		
FT10212RG	20-Apr-94	1,1,1-TRICHLOROETHANE	5	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	5	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	5	UG/L	U	V		
		1,1-DICHLOROETHANE	5	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	5	UG/L	U	V	7	0
		1,2 DICHLOROETHANE -D4	108	%REC	Z			
		1,2-DICHLOROETHANE	5	UG/L	U	V	5	0
		1,2-DICHLOROETHENE	5	UG/L	U	V		
		1,2-DICHLOROPROPANE	5	UG/L	U	V		
		2-BUTANONE	10	UG/L	U	R		
		2-HEXANONE	10	UG/L	U	V		
		4-METHYL-2-PENTANONE	10	UG/L	U	V		
		ACETONE	10	UG/L	U	V		
		BENZENE	5	UG/L	U	V		
		BROMODICHLOROMETHANE	5	UG/L	U	V		
		BROMOFLUOROBENZENE	93	%REC	Z			
		BROMOFORM	5	UG/L	U	V		
		BROMOMETHANE	10	UG/L	U	V		
		CARBON DISULFIDE	5	UG/L	U	V		
		CARBON TETRACHLORIDE	5	UG/L	U	V	5	0
		CHLOROBENZENE	5	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	5	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	5	UG/L	U	V		
		ETHYLBENZENE	5	UG/L	U	V		
		METHYLENE CHLORIDE	5	UG/L	U	V		
		STYRENE	5	UG/L	U	V		

TABLE 11.5.2

891 UV Performance April - June 1994

## UV Influent

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10212RG	20-Apr-94	TETRACHLOROETHENE	2 UG/L	J	A	5	0	
		TOLUENE	5 UG/L	U	V	2000	0	
		TOLUENE - D8	108 %REC		Z			
		TOTAL XYLEMES	5 UG/L	U	V			
		TRICHLOROETHENE	5 UG/L	U	V	5	0	
		VINYL ACETATE	10 UG/L	U	V			
		VINYL CHLORIDE	10 UG/L	U	V			
		cis-1,3-DICHLOROPROPENE	5 UG/L	U	V			
		trans-1,3-DICHLOROPROPENE	5 UG/L	U	V			
FT10241RG	10-May-94	1,1,1-TRICHLOROETHANE	5 UG/L	U	V	200	0	
		1,1,2,2-TETRACHLOROETHANE	5 UG/L	U	V			
		1,1,2-TRICHLOROETHANE	5 UG/L	U	V			
		1,1-DICHLOROETHANE	5 UG/L	U	V	5	0	
		1,1-DICHLOROETHENE	5 UG/L	U	V	7	0	
		1,2 DICHLOROETHANE -D4	109 %REC		Z			
		1,2-DICHLOROETHANE	5 UG/L	U	V	5	0	
		1,2-DICHLOROETHENE	5 UG/L	U	V			
		1,2-DICHLOROPROPANE	5 UG/L	U	V			
		2-BUTANONE	10 UG/L	U	V			
		2-HEXANONE	10 UG/L	U	V			
		4-METHYL-2-PENTANONE	10 UG/L	U	V			
		ACETONE	10 UG/L	U	V			
		BENZENE	5 UG/L	U	V			
		BROMODICHLOROMETHANE	5 UG/L	U	V			
		BROMOFLUOROBENZENE	99 %REC		Z			
		BROMOFORM	5 UG/L	U	V			
		BROMOMETHANE	10 UG/L	U	V			
		CARBON DISULFIDE	5 UG/L	U	V			
		CARBON TETRACHLORIDE	5 UG/L	U	V	5	0	
		CHLOROBENZENE	5 UG/L	U	V			
		CHLOROETHANE	10 UG/L	U	V			
		CHLOROFORM	5 UG/L	U	V			
		CHLOROMETHANE	10 UG/L	U	V			
		DIBROMOCHLOROMETHANE	5 UG/L	U	V			
		ETHYLBENZENE	5 UG/L	U	V			
		METHYLENE CHLORIDE	5 UG/L	U	V			
		STYRENE	5 UG/L	U	V			
		TETRACHLOROETHENE	2 UG/L	J	A	5	0	
		TOLUENE	5 UG/L	U	V	2000	0	
		TOLUENE - D8	104 %REC		Z			
		TOTAL XYLEMES	5 UG/L	U	V			
		TRICHLOROETHENE	5 UG/L	U	V	5	0	
		VINYL ACETATE	10 UG/L	U	R			
		VINYL CHLORIDE	10 UG/L	U	V			
		cis-1,3-DICHLOROPROPENE	5 UG/L	U	V			
		trans-1,3-DICHLOROPROPENE	5 UG/L	U	V			
FT10254RG	27-May-94	1,1,1-TRICHLOROETHANE	5 UG/L	U	V	200	0	
		1,1,2,2-TETRACHLOROETHANE	5 UG/L	U	V			
		1,1,2-TRICHLOROETHANE	5 UG/L	U	V			
		1,1-DICHLOROETHANE	5 UG/L	U	V	5	0	
		1,1-DICHLOROETHENE	5 UG/L	U	V	7	0	
		1,2 DICHLOROETHANE -D4	100 %REC		Z			
		1,2-DICHLOROETHANE	5 UG/L	U	V	5	0	
		1,2-DICHLOROETHENE	5 UG/L	U	V			
		1,2-DICHLOROPROPANE	5 UG/L	U	V			
		2-BUTANONE	10 UG/L	U	V			
		2-HEXANONE	10 UG/L	U	V			
		4-METHYL-2-PENTANONE	10 UG/L	U	V			
		ACETONE	10 UG/L	U	V			
		BENZENE	5 UG/L	U	V			
		BROMODICHLOROMETHANE	5 UG/L	U	V			
		BROMOFLUOROBENZENE	112 %REC		Z			
		BROMOFORM	5 UG/L	U	V			
		BROMOMETHANE	10 UG/L	U	V			

TABLE 11.5.3

891 UV Performance April - June 1994

UV Influent

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10254RG	27-May-94	CARBON DISULFIDE	5	UG/L	U	V		
		CARBON TETRACHLORIDE	5	UG/L	U	V	5	0
		CHLOROBENZENE	5	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	5	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	5	UG/L	U	V		
		ETHYLBENZENE	5	UG/L	U	V		
		METHYLENE CHLORIDE	5	UG/L	U	V		
		STYRENE	5	UG/L	U	V		
		TETRACHLOROETHENE	5	UG/L	U	V	5	0
		TOLUENE	5	UG/L	U	V	2000	0
		TOLUENE - D8	105	%REC		Z		
		TOTAL XYLEMES	5	UG/L	U	V		
		TRICHLOROETHENE	5	UG/L	U	V	5	0
		VINYL ACETATE	10	UG/L	U	V		
		VINYL CHLORIDE	10	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	5	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	5	UG/L	U	V		
FT10260RG	8-Jun-94	1,1,1-TRICHLOROETHANE	5	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	5	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	5	UG/L	U	V		
		1,1-DICHLOROETHANE	5	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	5	UG/L	U	V	7	0
		1,2 DICHLOROETHANE -D4	103	%REC		Y		
		1,2 DICHLOROETHANE -D4	103	%REC		Y		
		1,2 DICHLOROETHANE -D4	107	%REC		Z		
		1,2-DICHLOROETHANE	5	UG/L	U	V	5	0
		1,2-DICHLOROETHENE	5	UG/L	U	V		
		1,2-DICHLOROPROPANE	5	UG/L	U	V		
		2-BUTANONE	10	UG/L	U	V		
		2-HEXANONE	10	UG/L	U	V		
		4-METHYL-2-PENTANONE	10	UG/L	U	V		
		ACETONE	10	UG/L	U	R		
		BENZENE	5	UG/L	U	V		
		BROMODICHLOROMETHANE	104	%REC		Y		
		BROMOFLUOROBENZENE	106	%REC		Y		
		BROMOFLUOROBENZENE	108	%REC		Z		
		BROMOFORM	5	UG/L	U	V		
		BROMOMETHANE	10	UG/L	U	V		
		CARBON DISULFIDE	5	UG/L	U	V		
		CARBON TETRACHLORIDE	5	UG/L	U	V	5	0
		CHLOROBENZENE	5	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	5	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	R		
		DIBROMOCHLOROMETHANE	5	UG/L	U	V		
		ETHYLBENZENE	5	UG/L	U	V		
		METHYLENE CHLORIDE	5	UG/L	U	V	5	0
		STYRENE	5	UG/L	U	V		
		TETRACHLOROETHENE	1	UG/L	J	A	5	0
		TOLUENE	5	UG/L	U	V	2000	0
		TOLUENE - D8	101	%REC		Y		
		TOLUENE - D8	102	%REC		Y		
		TOLUENE - D8	104	%REC		Z		
		TOTAL XYLEMES	5	UG/L	U	V		
		TRICHLOROETHENE	5	UG/L	U	V	5	0
		VINYL ACETATE	10	UG/L	U	V		
		VINYL CHLORIDE	10	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	5	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	5	UG/L	U	V		

TABLE 11.5.4

891 UV Performance April - June 1994		UV Effluent						
Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10214RG	20-Apr-94	1,1,2-TRICHLOROETHANE	5 UG/L	U	V			
		1,1-DICHLOROETHANE	5 UG/L	U	V	5	0	
		1,1-DICHLOROETHENE	5 UG/L	U	V	7	0	
		1,2 DICHLOROETHANE -D4	105 %REC		Z			
		1,2-DICHLOROETHANE	5 UG/L	U	V	5	0	
		1,2-DICHLOROETHENE	5 UG/L	U	V			
		1,2-DICHLOROPROPANE	5 UG/L	U	V			
		2-BUTANONE	10 UG/L	U	R			
		2-HEXANONE	10 UG/L	U	V			
		4-METHYL-2-PENTANONE	10 UG/L	U	V			
		ACETONE	20 UG/L		V			
		BENZENE	5 UG/L	U	V			
		BROMODICHLOROMETHANE	5 UG/L	U	V			
		BROMOFLUOROBENZENE	98 %REC		Z			
		BROMOFORM	5 UG/L	U	V			
		BROMOMETHANE	10 UG/L	U	V			
		CARBON DISULFIDE	5 UG/L	U	V			
		CARBON TETRACHLORIDE	5 UG/L	U	V			
		CHLOROBENZENE	5 UG/L	U	V			
		CHLOROETHANE	10 UG/L	U	V			
		CHLOROFORM	5 UG/L	U	V			
		CHLOROMETHANE	10 UG/L	U	V			
		DIBROMOCHLOROMETHANE	5 UG/L	U	V			
		ETHYLBENZENE	5 UG/L	U	V			
		METHYLENE CHLORIDE	5 UG/L	U	V	5	0	
		STYRENE	5 UG/L	U	V			
		TETRACHLOROETHENE	5 UG/L	U	V	5	0	
		TOLUENE	5 UG/L	U	V	2000	0	
		TOLUENE - D8	106 %REC		Z			
FT10214RG	20-Apr-94	TOTAL XYLEMES	5 UG/L	U	V			
		TRICHLOROETHENE	5 UG/L	U	V	5	0	
		VINYL ACETATE	10 UG/L	U	V			
		VINYL CHLORIDE	10 UG/L	U	V			
		cis-1,3-DICHLOROPROPENE	5 UG/L	U	V			
		trans-1,3-DICHLOROPROPENE	5 UG/L	U	V			
		1,1,1,2-TETRACHLOROETHANE	0.2 UG/L	U	V			
		1,1,1-TRICHLOROETHANE	0.2 UG/L	U	V	200	0	
		1,1,2,2-TETRACHLOROETHANE	0.2 UG/L	U	V			
		1,1,2-TRICHLOROETHANE	0.6 UG/L	U	V			
		1,1-DICHLOROETHANE	0.2 UG/L	U	V	5	0	
		1,1-DICHLOROETHENE	0.2 UG/L	U	V	7	0	
		1,1-DICHLOROPROPENE	0.1 UG/L	U	V			
		1,2,3-TRICHLOROBENZENE	0.2 UG/L	U	V			
		1,2,3-TRICHLOROPROPANE	0.4 UG/L	U	V			
		1,2,4-TRICHLOROBENZENE	0.3 UG/L	U	V			
		1,2-DIBROMOETHANE	0.3 UG/L	U	V			
		1,2-DICHLOROBENZENE	0.2 UG/L	U	V			
		1,2-DICHLOROBENZENE-D4	100 %REC		Z			
		1,2-DICHLOROETHANE	0.4 UG/L	U	V	5	0	
		1,2-DICHLOROPROPANE	0.2 UG/L	U	V			
		1,3-DICHLOROBENZENE	0.2 UG/L	U	V			
		1,3-DICHLOROPROPANE	0.2 UG/L	U	V			
		1,4-DICHLOROBENZENE	0.3 UG/L	U	V			
		2,2-DICHLOROPROPANE	0.3 UG/L	U	V			
		4-ISOPROPYLtoluene	0.2 UG/L	U	V			
		ACETONE	10 UG/L	U	R			
		BENZENE	0.2 UG/L	U	V			
		BENZENE, 1,2,4-TRIMETHYL	0.2 UG/L	U	V			
		BENZENE, 1,3,5-TRIMETHYL-	0.2 UG/L	U	V			
		BROMOBENZENE	0.2 UG/L	U	V			
		BROMOCHLOROMETHANE	0.5 UG/L	U	V			
		BROMODICHLOROMETHANE	0.2 UG/L	U	V			
		BROMOFLUOROBENZENE	90 %REC		Z			
		BROMOFORM	0.3 UG/L	U	V			
		BROMOMETHANE	0.5 UG/L	U	V			

TABLE 11.5.5

891 UV Performance April - June 1994

UV Effluent

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10214RG	20-Apr-94	CARBON TETRACHLORIDE	0.3	UG/L	U	V	5	0
		CHLOROBENZENE	0.2	UG/L	U	V		
		CHLOROETHANE	0.4	UG/L	U	V		
		CHLOROFORM	0.1	UG/L	J	A		
		CHLOROMETHANE	0.4	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.2	UG/L	U	V		
		DIBROMOMETHANE	0.3	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0.2	UG/L	U	V		
		ETHYLBENZENE	0.2	UG/L	U	V		
		HEXACHLOROBUTADIENE	0.2	UG/L	U	V		
		ISOPROPYLBENZENE	0.2	UG/L	U	V		
		METHYLENE CHLORIDE	0.2	UG/L	U	V	5	0
		NAPHTHALENE	0.2	UG/L	U	V		
		PROPANE, 1,2-DIBROMO-3-CHLORO-	0.4	UG/L	U	R		
		STYRENE	0.2	UG/L	U	V		
		TETRACHLOROETHENE	0.2	UG/L	U	V	5	0
		TOLUENE	0.2	UG/L	U	V	2000	0
		TRICHLOROETHENE	0.2	UG/L	U	V	5	0
		TRICHLOROFLUOROMETHANE	0.3	UG/L	U	V		
		UNKNOWN	0.18	UG/L	J	Z		
		VINYL CHLORIDE	0.2	UG/L	U	V		
		cis-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	0.2	UG/L	U	V		
		m+p XYLENE	0.3	UG/L	U	V		
		n-BUTYLBENZENE	0.2	UG/L	U	V		
		n-PROPYLBENZENE	0.2	UG/L	U	V		
		o-CHLOROTOLUENE	0.3	UG/L	U	V		
		o-XYLENE	0.2	UG/L	U	V		
		p-CHLOROTOLUENE	0.2	UG/L	U	V		
		sec-BUTYLBENZENE	0.2	UG/L	U	V		
		tert-BUTYLBENZENE	0.2	UG/L	U	V		
		trans-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	0.4	UG/L	U	V		
FT10242RG	10-May-94	1,1,1-TRICHLOROETHANE	5	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	5	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	5	UG/L	U	V		
		1,1-DICHLOROETHANE	5	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	5	UG/L	U	V	7	0
		1,2 DICHLOROETHANE -D4	105 %REC		Z			
		1,2-DICHLOROETHANE	5	UG/L	U	V	5	0
		1,2-DICHLOROETHENE	5	UG/L	U	V		
		1,2-DICHLOROPROPANE	5	UG/L	U	V		
		2-BUTANONE	10	UG/L	U	V		
		2-HEXANONE	10	UG/L	U	V		
		4-METHYL-2-PENTANONE	10	UG/L	U	V		
		ACETONE	13	UG/L		V		
		BENZENE	5	UG/L	U	V		
		BROMODICHLOROMETHANE	5	UG/L	U	V		
		BROMOFLUOROBENZENE	100 %REC		Z			
		BROMOFORM	5	UG/L	U	V		
		BROMOMETHANE	10	UG/L	U	V		
		CARBON DISULFIDE	5	UG/L	U	V		
		CARBON TETRACHLORIDE	5	UG/L	U	V	5	0
		CHLOROBENZENE	5	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	5	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	5	UG/L	U	V		
		ETHYLBENZENE	5	UG/L	U	V		
		METHYLENE CHLORIDE	5	UG/L	U	V	5	0
		STYRENE	5	UG/L	U	V		
		TETRACHLOROETHENE	5	UG/L	U	V	5	0
		TOLUENE	5	UG/L	U	V	2000	0
		TOLUENE - D8	106 %REC		Z			
		TOTAL XYLEMES	5	UG/L	U	V		

TABLE 11.5.6

891 UV Performance April - June 1994		UV Effluent						
Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10214RG	20-Apr-94	1,1,1,2-TETRACHLOROETHANE	0.2	UG/L	U	Z		
		1,1,1-TRICHLOROETHANE	0.2	UG/L	U	Z		
		1,1,2,2-TETRACHLOROETHANE	0.2	UG/L	U	Z	200	0
		1,1,2-TRICHLOROETHANE	0.6	UG/L	U	Z		
		1,1-DICHLOROETHANE	0.2	UG/L	U	Z	5	0
		1,1-DICHLOROETHENE	0.2	UG/L	U	Z	7	0
		1,1-DICHLOROPROPENE	0.1	UG/L	U	Z		
		1,2,3-TRICHLOROBENZENE	0.2	UG/L	U	Z		
		1,2,3-TRICHLOROPROPANE	0.4	UG/L	U	Z		
		1,2,4-TRICHLOROBENZENE	0.3	UG/L	U	Z		
		1,2-DIBROMOETHANE	0.3	UG/L	U	Z		
		1,2-DICHLOROBENZENE	0.2	UG/L	U	Z		
		1,2-DICHLOROBENZENE-D4	83 %REC			Z		
		1,2-DICHLOROETHANE	0.4	UG/L	U	Z	5	0
		1,2-DICHLOROPROPANE	0.2	UG/L	U	Z		
		1,3-DICHLOROBENZENE	0.2	UG/L	U	Z		
		1,3-DICHLOROPROPANE	0.2	UG/L	U	Z		
		1,4-DICHLOROBENZENE	0.3	UG/L	U	Z		
		2,2-DICHLOROPROPANE	0.3	UG/L	U	Z		
		4-ISOPROPYLtolUENE	0.2	UG/L	U	Z		
		ACETONE	10	UG/L	U	Z		
		BENZENE	0.2	UG/L	U	Z		
		BENZENE, 1,2,4-TRIMETHYL	0.2	UG/L	U	Z		
		BENZENE, 1,3,5-TRIMETHYL-	0.2	UG/L	U	Z		
		BROMOBENZENE	0.2	UG/L	U	Z		
		BROMOCHLOROMETHANE	0.5	UG/L	U	Z		
		BROMODICHLOROMETHANE	0.2	UG/L	U	Z		
		BROMOFLUOROBENZENE	85 %REC			Z		
		BROMOFORM	0.3	UG/L	U	Z		
		BROMOMETHANE	0.5	UG/L	U	Z		
		CARBON TETRACHLORIDE	0.3	UG/L	U	Z	5	0
		CHLOROBENZENE	0.2	UG/L	U	Z		
		CHLOROETHANE	0.4	UG/L	U	Z		
		CHLOROFORM	0.1	UG/L	J	Z		
		CHLOROMETHANE	0.4	UG/L	U	Z		
		DIBROMOCHLOROMETHANE	0.2	UG/L	U	Z		
		DIBROMOMETHANE	0.3	UG/L	U	Z		
		DICHLORODIFLUOROMETHANE	0.2	UG/L	U	Z		
		ETHYLBENZENE	0.2	UG/L	U	Z		
		HEXACHLOROBUTADIENE	0.2	UG/L	U	Z		
		ISOPROPYLBENZENE	0.2	UG/L	U	Z		
		METHYLENE CHLORIDE	0.2	UG/L	U	Z	5	0
		NAPHTHALENE	0.2	UG/L	U	Z		
		PROPANE, 1,2-DIBromo-3-CHLORO-	0.4	UG/L	U	Z		
		STYRENE	0.2	UG/L	U	Z		
		TETRACHLOROETHENE	0.2	UG/L	U	Z	5	0
		TOLUENE	0.2	UG/L	U	Z	2000	0
		TRICHLOROETHENE	0.2	UG/L	U	Z	5	0
		TRICHLOROFLUOROMETHANE	0.3	UG/L	U	Z		
		UNKNOWN	0.19	UG/L	J	Z		
		VINYL CHLORIDE	0.2	UG/L	U	Z		
		cis-1,2-DICHLOROETHENE	0.2	UG/L	U	Z		
		cis-1,3-DICHLOROPROPENE	0.2	UG/L	U	Z		
		m+p XYLENE	0.3	UG/L	U	Z		
		n-BUTYLBENZENE	0.2	UG/L	U	Z		
		n-PROPYLBENZENE	0.2	UG/L	U	Z		
		o-CHLOROTOLUENE	0.3	UG/L	U	Z		
		o-XYLENE	0.2	UG/L	U	Z		
		p-CHLOROTOLUENE	0.2	UG/L	U	Z		
		sec-BUTYLBENZENE	0.2	UG/L	U	Z		
		tert-BUTYLBENZENE	0.2	UG/L	U	Z		
		trans-1,2-DICHLOROETHENE	0.2	UG/L	U	Z		
		trans-1,3-DICHLOROPROPENE	0.4	UG/L	U	Z		
FT10214RG	20-Apr-94	1,1,1-TRICHLOROETHANE	5	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	5	UG/L	U	V		

TABLE 11.5.7

891 UV Performance April - June 1994		UV Effluent						
Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10242RG	10-May-94	TRICHLOROETHENE	5 UG/L	U	V		5	0
		VINYL ACETATE	10 UG/L	U	R			
		VINYL CHLORIDE	10 UG/L	U	V			
		cis-1,3-DICHLOROPROPENE	5 UG/L	U	V			
		trans-1,3-DICHLOROPROPENE	5 UG/L	U	V			
FT10255RG	27-May-94	1,1,1-TRICHLOROETHANE	5 UG/L	U	V		200	0
		1,1,2,2-TETRACHLOROETHANE	5 UG/L	U	V			
		1,1,2-TRICHLOROETHANE	5 UG/L	U	V			
		1,1-DICHLOROETHANE	5 UG/L	U	V		5	0
		1,1-DICHLOROETHENE	5 UG/L	U	V		7	0
		1,2 DICHLOROETHANE -D4	102 %REC		Y			
		1,2 DICHLOROETHANE -D4	97 %REC		Y			
		1,2 DICHLOROETHANE -D4	97 %REC		Z			
		1,2-DICHLOROETHANE	5 UG/L	U	V		5	0
		1,2-DICHLOROETHENE	5 UG/L	U	V			
		1,2-DICHLOROPROPANE	5 UG/L	U	V			
		2-BUTANONE	10 UG/L	U	V			
		2-HEXANONE	10 UG/L	U	V			
		4-METHYL-2-PENTANONE	10 UG/L	U	V			
		ACETONE	65 UG/L	U	J			
		BENZENE	5 UG/L	U	V			
		BROMODICHLOROMETHANE	5 UG/L	U	V			
		BROMOFLUOROBENZENE	103 %REC		Y			
		BROMOFLUOROBENZENE	105 %REC		Y			
		BROMOFLUOROBENZENE	99 %REC		Z			
		BROMOFORM	5 UG/L	U	V			
		BROMOMETHANE	10 UG/L	U	V			
		CARBON DISULFIDE	5 UG/L	U	V			
		CARBON TETRACHLORIDE	5 UG/L	U	V		5	0
		CHLOROBENZENE	5 UG/L	U	V			
		CHLOROETHANE	10 UG/L	U	V			
		CHLOROFORM	5 UG/L	U	V			
		CHLOROMETHANE	10 UG/L	U	V			
		DIBROMOCHLOROMETHANE	5 UG/L	U	V			
		ETHYLBENZENE	5 UG/L	U	V			
		METHYLENE CHLORIDE	5 UG/L	U	V		5	0
		STYRENE	5 UG/L	U	V			
		TETRACHLOROETHENE	5 UG/L	U	V		5	0
		TOLUENE	5 UG/L	U	V		2000	0
		TOLUENE - D8	102 %REC		Y			
		TOLUENE - D8	99 %REC		Y			
		TOLUENE - D8	99 %REC		Z			
		TOTAL XYLEMES	5 UG/L	U	V			
		TRICHLOROETHENE	5 UG/L	U	V		5	0
		VINYL ACETATE	10 UG/L	U	V			
		VINYL CHLORIDE	10 UG/L	U	V			
		cis-1,3-DICHLOROPROPENE	5 UG/L	U	V			
		trans-1,3-DICHLOROPROPENE	5 UG/L	U	V			
FT10261RG	8-Jun-94	1,1,1-TRICHLOROETHANE	5 UG/L	U	V		200	0
		1,1,2,2-TETRACHLOROETHANE	5 UG/L	U	V			
		1,1,2-TRICHLOROETHANE	5 UG/L	U	V			
		1,1-DICHLOROETHANE	5 UG/L	U	V		5	0
		1,1-DICHLOROETHENE	5 UG/L	U	V		7	0
		1,2 DICHLOROETHANE -D4	107 %REC		Z			
		1,2-DICHLOROETHANE	5 UG/L	U	V		5	0
		1,2-DICHLOROETHENE	5 UG/L	U	V			
		1,2-DICHLOROPROPANE	5 UG/L	U	V			
		2-BUTANONE	10 UG/L	U	V			
		2-HEXANONE	10 UG/L	U	V			
		4-METHYL-2-PENTANONE	10 UG/L	U	V			
		ACETONE	16 UG/L	U	J			
		BENZENE	5 UG/L	U	V			
		BROMODICHLOROMETHANE	5 UG/L	U	V			
		BROMOFLUOROBENZENE	109 %REC		Z			

TABLE 11.5.8

891 UV Performance April - June 1994

UV Effluent

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10261RG	8-Jun-94	BROMOFORM	5	UG/L	U	V		
		BROMOMETHANE	10	UG/L	U	V		
		CARBON DISULFIDE	5	UG/L	U	V		
		CARBON TETRACHLORIDE	5	UG/L	U	V	5	0
		CHLOROBENZENE	5	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	5	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	R		
		DIBROMOCHLOROMETHANE	5	UG/L	U	V		
		ETHYLBENZENE	5	UG/L	U	V		
		METHYLENE CHLORIDE	5	UG/L	U	V		
		STYRENE	5	UG/L	U	V		
		TETRACHLOROETHENE	5	UG/L	U	V	5	0
		TOLUENE	5	UG/L	U	V	2000	0
		TOLUENE - D8	104	%REC	Z			
		TOTAL XYLEMES	5	UG/L	U	V		
		TRICHLOROETHENE	5	UG/L	U	V	5	0
		VINYL ACETATE	10	UG/L	U	V		
		VINYL CHLORIDE	10	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	5	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	5	UG/L	U	V		

# **APPENDIX A**

**Well 31491 Rads April - June 1994**

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
GW00617GA	19-May-94	TRITIUM		170 PC/L	210	U	Z	20000	0
				240 PC/L	220	U	Y		20000

**Well 35691 Rads April - June 1994**

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR	
GW00732GA	5-May-94	AMERICIUM-241		0 PC/L	0	U	Y	4	0	
		GROSS ALPHA		14 PC/L	2.1		Y		15	0
		GROSS BETA		8 PC/L	2		Y		50	0
		PLUTONIUM-239/240		0.005 PC/L	0.006	J	Y		15	0
		STRONTIUM-89,90		-0.03 PC/L	0.35	U	Y		8	0
		TOTAL RADIOCESIUM		0.99 PC/L	0.98	U	Y			
		TRITIUM		130 PC/L	230	U	Y		20000	0
		URANIUM-233,-234		18 PC/L	2.8		Y			
		URANIUM-235		0.62 PC/L	0.31		Y			
		URANIUM-238		13 PC/L	2.2		Y			
TOTAL URANIUM		31.62	5.31				40	0		

**Well 45391 Rads April - June 1994**

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
GW00594GA	20-Apr-94	TRITIUM		240 PC/L	220	U	Y	20000	0

**Well 10492 Rads April - June 1994**

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
GW00587GA	20-Apr-94	GROSS ALPHA	28	PCl/L	3.3		Y	15	1
		GROSS BETA	16	PCl/L	3.9		Y	50	0
		RADIUM-226	0.38	PCl/L	0.077	J	Y		
		TRITIUM	240	PCl/L	220	U	Y	20000	0
		URANIUM-233,-234	19	PCl/L	3.2		Y		
		URANIUM-235	0.38	PCl/L	0.28	J	Y		
		URANIUM-238	13	PCl/L	2.4		Y		
TOTAL URANIUM	32.38		5.88				40	0	

**Well 10692 Rads April - June 1994**

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
GW00589GA	20-Apr-94	AMERICIUM-241	0.009	PCl/L	0.014	U	Y	4	0
		GROSS ALPHA	14	PCl/L	2.7		Y	15	0
		GROSS BETA	13	PCl/L	3.9		Y	50	0
		PLUTONIUM-239/240	0.007	PCl/L	0.016	U	Y	15	0
		RADIUM-226	0.37	PCl/L	0.081	J	Z		
		RADIUM-226	0.32	PCl/L	0.077	J	Y		
		STRONTIUM-89,90	3.3	PCl/L	0.62		Y	8	0
		TOTAL RADIOCESIUM	0.84	PCl/L	0.74	U	Y		
		TRITIUM	250	PCl/L	220	U	Y	20000	0
		URANIUM-233,-234	14	PCl/L	2.3		Y		
		URANIUM-235	0.31	PCl/L	0.22	J	Y		
		URANIUM-238	9.2	PCl/L	1.7		Y		
		TOTAL URANIUM	23.51		4.22				40

**Well 10792 Rads April - June 1994**

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
GW00590GA	20-Apr-94	TRITIUM	300	PCl/L	230	U	Z	20000	0
		TRITIUM	250	PCl/L	220	U	Y	20000	0
		TRITIUM	240	PCl/L	220	U	Y	20000	0

Well 10492 Water Quality April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW00587GA	20-Apr-94	BICARBONATE AS CACO3	300	MG/L		JA		
GW00587GA	20-Apr-94	CARBONATE AS CACO3	1	MG/L	U	V		
GW00587GA	20-Apr-94	CHLORIDE	140	MG/L		V	250	0
GW00587GA	20-Apr-94	CYANIDE	0.01	MG/L	U	V		
GW00587GA	20-Apr-94	FLUORIDE	1.2	MG/L		V		
GW00587GA	20-Apr-94	NITRATE/NITRITE	6.2	MG/L		V	10	0
GW00587GA	20-Apr-94	ORTHOPHOSPHATE	0.02	MG/L		V		
GW00587GA	20-Apr-94	SULFATE	320	MG/L		V	250	1
GW00587GA	20-Apr-94	TOTAL DISSOLVED SOLIDS	1100	MG/L		V	400	1
GW00587GA	20-Apr-94	TOTAL SUSPENDED SOLIDS	180	MG/L		V		
GW00699GA	28-Apr-94	TOTAL ORGANIC HALOGENS (TOX)	0.012	MG/L		JA		
GW00769GA	25-May-94	TOTAL ORGANIC HALOGENS (TOX)	0.018	MG/L		Y		

Well 10592 Water Quality April - June 1994

GW00588GA	20-Apr-94	BICARBONATE AS CACO3	230	MG/L		JA		
GW00588GA	20-Apr-94	CARBONATE AS CACO3	1	MG/L	U	V		
GW00588GA	20-Apr-94	CHLORIDE	220	MG/L		V	250	0
GW00588GA	20-Apr-94	FLUORIDE	2.5	MG/L		V		
GW00588GA	20-Apr-94	NITRATE/NITRITE	6.6	MG/L		V	10	0
GW00588GA	20-Apr-94	SULFATE	400	MG/L		V	250	1
GW00588GA	20-Apr-94	TOTAL DISSOLVED SOLIDS	1200	MG/L		V	400	1
GW00588GA	20-Apr-94	TOTAL ORGANIC HALOGENS (TOX)	0.027	MG/L		JA		
GW00588GA	20-Apr-94	TOTAL SUSPENDED SOLIDS	7.1	MG/L		V		
GW00770GA	25-May-94	TOTAL ORGANIC HALOGENS (TOX)	0.034	MG/L		Y		

**Well 10692 Water Quality April - June 1994**

GW00589GA	20-Apr-94	BICARBONATE AS CACO <sub>3</sub>	530 MG/L	JA		
GW00589GA	20-Apr-94	CARBONATE AS CACO <sub>3</sub>	1 MG/L	U	V	
GW00589GA	20-Apr-94	CHLORIDE	130 MG/L		V	250
GW00589GA	20-Apr-94	CYANIDE	0.01 MG/L	U	V	0
GW00589GA	20-Apr-94	FLUORIDE	2.1 MG/L		V	
GW00589GA	20-Apr-94	NITRATE/NITRITE	0.17 MG/L		V	10
GW00589GA	20-Apr-94	ORTHOPHOSPHATE	0.07 MG/L		V	0
GW00589GA	20-Apr-94	SULFATE	330 MG/L		V	250
GW00589GA	20-Apr-94	TOTAL DISSOLVED SOLIDS	1200 MG/L		V	400
GW00589GA	20-Apr-94	TOTAL ORGANIC HALOGENS (TOX)	0.034 MG/L	JA		
GW00589GA	20-Apr-94	TOTAL SUSPENDED SOLIDS	60 MG/L		V	1
GW00771GA	25-May-94	TOTAL ORGANIC HALOGENS (TOX)	0.03 MG/L		Y	1

**Well 10792 Water Quality April - June 1994**

GW00590GA	20-Apr-94	NITRATE/NITRITE	6 MG/L	V	10	0
GW00590GA	20-Apr-94	TOTAL ORGANIC HALOGENS (TOX)	0.017 MG/L	JA		
GW00883GA	25-May-94	TOTAL ORGANIC HALOGENS (TOX)	0.036 MG/L		Y	

**Well 10992 Water Quality April - June 1994**

GW00591GA	20-Apr-94	TOTAL ORGANIC HALOGENS (TOX)	0.009 MG/L	JA		
GW00773GA	25-May-94	TOTAL ORGANIC HALOGENS (TOX)	0.016 MG/L		Y	

**Well 11092 Water Quality April - June 1994**

GW00592GA	20-Apr-94	TOTAL ORGANIC HALOGENS (TOX)	0.035 MG/L	JA		
GW00774GA	27-May-94	TOTAL ORGANIC HALOGENS (TOX)	0.027 MG/L		Y	

Well 35691 Water Quality April - June 1994

GW00732GA	5-May-94	BICARBONATE AS CACO <sub>3</sub>	490 MG/L	V			
GW00732GA	5-May-94	CARBONATE AS CACO <sub>3</sub>	1 MG/L	U	V		
GW00732GA	5-May-94	CHLORIDE	160 MG/L		V	250	0
GW00732GA	5-May-94	CYANIDE	0.01 MG/L	U	V		
GW00732GA	5-May-94	FLUORIDE	1.5 MG/L		V		
GW00732GA	5-May-94	NITRATE/NITRITE	0.14 MG/L		V	10	0
GW00732GA	5-May-94	ORTHOPHOSPHATE	0.02 MG/L		V		
GW00732GA	5-May-94	SULFATE	480 MG/L		V	250	1
GW00732GA	5-May-94	TOTAL DISSOLVED SOLIDS	1500 MG/L		V	400	1
GW00732GA	5-May-94	TOTAL SUSPENDED SOLIDS	8 MG/L		V		

Well 45391 Water Quality April - June 1994

GW00594GA	20-Apr-94	NITRATE/NITRITE	5.8 MG/L	V	10	0
GW00594GA	20-Apr-94	ORTHOPHOSPHATE	0.06 MG/L	V		
GW00594GA	20-Apr-94	TOTAL ORGANIC HALOGENS (TOX)	0.02 MG/L	JA		
GW00882GA	25-May-94	TOTAL ORGANIC HALOGENS (TOX)	0.031 MG/L	Y		

## Well 10492 April 1994

Sample Number	Sample Date	Element	Result	Unit Measure	Qualifier	Vqual	ARAR	SAM > ARAR
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## Well 10692 April 1994

GW00589GA	20-Apr-94	THALLIUM	1 UG/L		U	V	10	0
		TIN	10 UG/L		U	V		
		VANADIUM	3.7 UG/L		B	V	100	0
		ZINC	7.5 UG/L		U	JA	2000	0

## Well 35691 May 1994

GW00732GA	5-May-94	ALUMINUM	11 UG/L		U	V	5000	0
		ANTIMONY	14 UG/L		U	V	60	0
		ARSENIC	1 UG/L		U	V	50	0
		BARIUM	49.3 UG/L		B	V	1000	0
		BERYLLIUM	1 UG/L		U	V	100	0
		CADMIUM	3 UG/L		U	V	10	0
		CALCIUM	240000 UG/L			V		
		CESIUM	63 UG/L		U	V		
		CHROMIUM	2 UG/L		U	V	50	0
		COBALT	2 UG/L		U	V		
		COPPER	1 UG/L		U	V	200	0
		IRON	5 UG/L		U	V	300	0
		LEAD	1.2 UG/L		U	JA	50	0
		LITHIUM	28 UG/L		B	V	2500	0
		MAGNESIUM	60700 UG/L			V		
		MANGANESE	1.2 UG/L		B	V	50	0
		MERCURY	0.2 UG/L		U	V	2	0
		MOLYBDENUM	3 UG/L		U	V	100	0
		NICKEL	6 UG/L		U	V	200	0
		POTASSIUM	712 UG/L		B	V		
		SELENIUM	10.2 UG/L			V	10	1
		SILICON	8190 UG/L			V		
		SILVER	2 UG/L		U	V	50	0
		SODIUM	161000 UG/L			V		
		STRONTIUM	1720 UG/L			V		
		THALLIUM	2 UG/L		UWN	JA	10	0
		TIN	10 UG/L		U	V		
		VANADIUM	2 UG/L		U	V	100	0
		ZINC	6 UG/L		U	JA	2000	0

## Well 10492 April 1994

Sample Number	Sample Date	Element	Result	Unit Measure	Qualifier	Vqual	ARAR	SAM > ARAR
GW00587GA	20-Apr-94	ALUMINUM	11	UG/L	U	V	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	1	UG/L	U	V	50	0
		BARIUM	31.8	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	3	UG/L	U	V	10	0
		CALCIUM	129000	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	2	UG/L	U	V	50	0
		COBALT	2	UG/L	U	V		
		COPPER	1	UG/L	U	V	200	0
		IRON	5	UG/L	U	V	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	186	UG/L		V	2500	0
		MAGNESIUM	50100	UG/L		V		
		MANGANESE	2.4	UG/L	B	V	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	5.8	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	3810	UG/L	B	V		
		SELENIUM	685	UG/L		V	10	1
		SILICON	8010	UG/L		V		
		SILVER	2	UG/L	U	V	50	0
		SODIUM	147000	UG/L		V		
		STRONTIUM	1490	UG/L		V		
		THALLIUM	1	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	2.1	UG/L	B	V	100	0
		ZINC	19.9	UG/L	U	JA	2000	0

## Well 10692 April 1994

Sample Number	Sample Date	Element	Result	Unit Measure	Qualifier	Vqual	ARAR	SAM > ARAR
GW00589GA	20-Apr-94	ALUMINUM	11	UG/L	U	V	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	1	UG/L	U	V	50	0
		BARIUM	57.1	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	3	UG/L	U	V	10	0
		CALCIUM	167000	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	2	UG/L	U	V	50	0
		COBALT	2	UG/L	U	V		
		COPPER	1	UG/L	U	V	200	0
		IRON	7.7	UG/L	U	JA	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	23	UG/L	B	V	2500	0
		MAGNESIUM	47900	UG/L		V		
		MANGANESE	38.9	UG/L		V	50	0
		MERCURY	0.2	UG/L		V	2	0
		MOLYBDENUM	4.7	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	791	UG/L	B	V		
		SELENIUM	1.2	UG/L	U	JA	10	0
		SILICON	6980	UG/L		V		
		SILVER	2	UG/L	U	V	50	0
		SODIUM	196000	UG/L		V		
		STRONTIUM	1370	UG/L		V		

Well 10492 Water Quality April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW00587GA	20-Apr-94	BICARBONATE AS CACO3	300	MG/L		JA		
GW00587GA	20-Apr-94	CARBONATE AS CACO3	1	MG/L	U	V		
GW00587GA	20-Apr-94	CHLORIDE	140	MG/L		V	250	0
GW00587GA	20-Apr-94	CYANIDE	0.01	MG/L	U	V		
GW00587GA	20-Apr-94	FLUORIDE	1.2	MG/L		V		
GW00587GA	20-Apr-94	NITRATE/NITRITE	6.2	MG/L		V	10	0
GW00587GA	20-Apr-94	ORTHOPHOSPHATE	0.02	MG/L		V		
GW00587GA	20-Apr-94	SULFATE	320	MG/L		V	250	1
GW00587GA	20-Apr-94	TOTAL DISSOLVED SOLIDS	1100	MG/L		V	400	1
GW00587GA	20-Apr-94	TOTAL SUSPENDED SOLIDS	180	MG/L		V		
GW00699GA	28-Apr-94	TOTAL ORGANIC HALOGENS (TOX)	0.012	MG/L		JA		
GW00769GA	25-May-94	TOTAL ORGANIC HALOGENS (TOX)	0.018	MG/L		Y		

Well 10592 Water Quality April - June 1994

GW00588GA	20-Apr-94	BICARBONATE AS CACO3	230	MG/L		JA		
GW00588GA	20-Apr-94	CARBONATE AS CACO3	1	MG/L	U	V		
GW00588GA	20-Apr-94	CHLORIDE	220	MG/L		V	250	0
GW00588GA	20-Apr-94	FLUORIDE	2.5	MG/L		V		
GW00588GA	20-Apr-94	NITRATE/NITRITE	6.6	MG/L		V	10	0
GW00588GA	20-Apr-94	SULFATE	400	MG/L		V	250	1
GW00588GA	20-Apr-94	TOTAL DISSOLVED SOLIDS	1200	MG/L		V	400	1
GW00588GA	20-Apr-94	TOTAL ORGANIC HALOGENS (TOX)	0.027	MG/L		JA		
GW00588GA	20-Apr-94	TOTAL SUSPENDED SOLIDS	71	MG/L		V		
GW00770GA	25-May-94	TOTAL ORGANIC HALOGENS (TOX)	0.034	MG/L		Y		

**Well 10692 Water Quality April - June 1994**

GW00589GA	20-Apr-94	BICARBONATE AS CACO3	530 MG/L	JA			
GW00589GA	20-Apr-94	CARBONATE AS CACO3	1 MG/L	U	V		
GW00589GA	20-Apr-94	CHLORIDE	130 MG/L	V		250	0
GW00589GA	20-Apr-94	CYANIDE	0.01 MG/L	U	V		
GW00589GA	20-Apr-94	FLUORIDE	2.1 MG/L	V			
GW00589GA	20-Apr-94	NITRATE/NITRITE	0.17 MG/L	V		10	0
GW00589GA	20-Apr-94	ORTHOPHOSPHATE	0.07 MG/L	V			
GW00589GA	20-Apr-94	SULFATE	330 MG/L	V		250	1
GW00589GA	20-Apr-94	TOTAL DISSOLVED SOLIDS	1200 MG/L	V		400	1
GW00589GA	20-Apr-94	TOTAL ORGANIC HALOGENS (TOX)	0.034 MG/L	JA			
GW00589GA	20-Apr-94	TOTAL SUSPENDED SOLIDS	60 MG/L	V			
GW00771GA	25-May-94	TOTAL ORGANIC HALOGENS (TOX)	0.03 MG/L	Y			

**Well 10792 Water Quality April - June 1994**

GW00590GA	20-Apr-94	NITRATE/NITRITE	6 MG/L	V	10	0
GW00590GA	20-Apr-94	TOTAL ORGANIC HALOGENS (TOX)	0.017 MG/L	JA		
GW00883GA	25-May-94	TOTAL ORGANIC HALOGENS (TOX)	0.036 MG/L	Y		

**Well 10992 Water Quality April - June 1994**

GW00591GA	20-Apr-94	TOTAL ORGANIC HALOGENS (TOX)	0.009 MG/L	JA		
GW00773GA	25-May-94	TOTAL ORGANIC HALOGENS (TOX)	0.016 MG/L	Y		
GW00592GA	20-Apr-94	TOTAL ORGANIC HALOGENS (TOX)	0.035 MG/L	JA		
GW00774GA	27-May-94	TOTAL ORGANIC HALOGENS (TOX)	0.027 MG/L	Y		

Well 35691 Water Quality April - June 1994

GW00732GA	5-May-94	BICARBONATE AS CACO3	490 MG/L	V		
GW00732GA	5-May-94	CARBONATE AS CACO3	1 MG/L	U	V	
GW00732GA	5-May-94	CHLORIDE	160 MG/L		V	250
GW00732GA	5-May-94	CYANIDE	0.01 MG/L	U	V	0
GW00732GA	5-May-94	FLUORIDE	1.5 MG/L		V	
GW00732GA	5-May-94	NITRATE/NITRITE	0.14 MG/L		V	10
GW00732GA	5-May-94	ORTHOPHOSPHATE	0.02 MG/L		V	0
GW00732GA	5-May-94	SULFATE	480 MG/L		V	250
GW00732GA	5-May-94	TOTAL DISSOLVED SOLIDS	1500 MG/L		V	400
GW00732GA	5-May-94	TOTAL SUSPENDED SOLIDS	8 MG/L		V	1

Well 45391 Water Quality April - June 1994

GW00594GA	20-Apr-94	NITRATE/NITRITE	5.8 MG/L	V	10	0
GW00594GA	20-Apr-94	ORTHOPHOSPHATE	0.06 MG/L	V		
GW00594GA	20-Apr-94	TOTAL ORGANIC HALOGENS (TOX)	0.02 MG/L	JA		
GW00882GA	25-May-94	TOTAL ORGANIC HALOGENS (TOX)	0.031 MG/L	Y		

Well 45391 VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW00594GA	20-Apr-94	1,1,1,2-TETRACHLOROETHANE	0.2	UG/L	U	V		
		1,1,1-TRICHLOROETHANE	0.2	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	0.2	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	0.6	UG/L	U	V		
		1,1-DICHLOROETHANE	0.2	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	0.2'	UG/L	U	V	7	0
		1,1-DICHLOROPROPENE	0.1	UG/L	U	V		
		1,2,3-TRICHLOROBENZENE	0.2	UG/L	U	V		
		1,2,3-TRICHLOROPROPANE	0.4	UG/L	U	V		
		1,2,4-TRICHLOROBENZENE	0.3	UG/L	U	V		
		1,2-DIBROMOETHANE	0.3	UG/L	U	V		
		1,2-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,2-DICHLOROBENZENE-D4	86 %REC		Z			
		1,2-DICHLOROETHANE	0.4	UG/L	U	V	5	0
		1,2-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,3-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,3-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,4-DICHLOROBENZENE	0.3	UG/L	U	V		
		2,2-DICHLOROPROPANE	0.3	UG/L	U	V		
		4-ISOPROPYLTOluENE	0.2	UG/L	U	V		
		BENZENE	0.2	UG/L	U	V		
		BENZENE, 1,2,4-TRIMETHYL	0.2	UG/L	U	V		
		BENZENE, 1,3,5-TRIMETHYL-	0.2	UG/L	U	V		
		BROMOBENZENE	0.2	UG/L	U	V		
		BROMOCHLOROMETHANE	0.5	UG/L	U	V		
		BROMODICHLOROMETHANE	0.2	UG/L	U	V		
		BROMOFLUOROBENZENE	91 %REC		Z			
		BROMOFORM	0.3	UG/L	U	V		
		BROMOMETHANE	0.5	UG/L	U	V		
		CARBON TETRACHLORIDE	0.3	UG/L	U	V	5	0
		CHLOROBENZENE	0.2	UG/L	U	V		
		CHLOROETHANE	0.4	UG/L	U	V		
		CHLOROFORM	0.2	UG/L	U	V		
		CHLOROMETHANE	0.4	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.2	UG/L	U	V		
		DIBROMOMETHANE	0.3	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0.2	UG/L	U	V		
		ETHYLBENZENE	0.2	UG/L	U	V		
		HEXACHLOROBUTADIENE	0.2	UG/L	U	V		
		ISOPROPYLBENZENE	0.2	UG/L	U	V		
		METHYLENE CHLORIDE	0.2	UG/L	U	V	5	0
		NAPHTHALENE	0.2	UG/L	U	V		
		PROPANE, 1,2-DIBROMO-3-CHLORO-	0.4	UG/L	U	R		
		STYRENE	0.2	UG/L	U	V		
		TETRACHLOROETHENE	0.1	UG/L	J	A	5	0
		TOLUENE	0.2	UG/L	U	V	2000	0
		TRICHLOROETHENE	0.2	UG/L	U	V	5	0
		TRICHLOROFLUOROMETHANE	0.3	UG/L	U	V		
		VINYL CHLORIDE	0.2	UG/L	U	V		
		cis-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	0.2	UG/L	U	V		
		m+p XYLENE	0.3	UG/L	U	V		
		n-BUTYLBENZENE	0.2	UG/L	U	V		
		n-PROPYLBENZENE	0.2	UG/L	U	V		
		o-CHLOROTOLUENE	0.3	UG/L	U	V		
		o-XYLENE	0.2	UG/L	U	V		
		p-CHLOROTOLUENE	0.2	UG/L	U	V		
		sec-BUTYLBENZENE	0.2	UG/L	U	V		
		tert-BUTYLBENZENE	0.2	UG/L	U	V		
		trans-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	0.4	UG/L	U	V		

## Well 35691 VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW00732GA	5-May-94	1,1,1,2-TETRACHLOROETHANE	0.2	UG/L	U	V		
		1,1,1-TRICHLOROETHANE	0.2	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	0.2	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	0.6	UG/L	U	V		
		1,1-DICHLOROETHANE	0.2	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	0.2	UG/L	U	V	7	0
		1,1-DICHLOROPROPENE	0.1	UG/L	U	V		
		1,2,3-TRICHLOROBENZENE	0.2	UG/L	U	V		
		1,2,3-TRICHLOROPROPANE	0.4	UG/L	U	V		
		1,2,4-TRICHLOROBENZENE	0.3	UG/L	U	V		
		1,2-DIBROMOETHANE	0.3	UG/L	U	V		
		1,2-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,2-DICHLOROBENZENE-D4	84 %REC		Z			
		1,2-DICHLOROETHANE	0.4	UG/L	U	V	5	0
		1,2-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,3-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,3-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,4-DICHLOROBENZENE	0.3	UG/L	U	V		
		2,2-DICHLOROPROPANE	0.3	UG/L	U	V		
		4-ISOPROPYLtolUENE	0.2	UG/L	U	V		
		BENZENE	0.2	UG/L	U	V		
		BENZENE, 1,2,4-TRIMETHYL	0.2	UG/L	U	V		
		BENZENE, 1,3,5-TRIMETHYL-	0.2	UG/L	U	V		
		BROMOBENZENE	0.2	UG/L	U	V		
		BROMOCHLOROMETHANE	0.5	UG/L	U	V		
		BROMODICHLOROMETHANE	0.2	UG/L	U	V		
		BROMOFLUOROBENZENE	88 %REC		Z			
		BROMOFORM	0.3	UG/L	U	V		
		BROMOMETHANE	0.5	UG/L	U	V		
		CARBON TETRACHLORIDE	0.3	UG/L	U	V	5	0
		CHLOROBENZENE	0.2	UG/L	U	V		
		CHLOROETHANE	0.4	UG/L	U	V		
		CHLOROFORM	0.2	UG/L	U	V		
		CHLOROMETHANE	0.4	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.2	UG/L	U	V		
		DIBROMOMETHANE	0.3	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0.2	UG/L	U	V		
		ETHYLBENZENE	0.2	UG/L	U	V		
		HEXACHLOROBUTADIENE	0.2	UG/L	U	V		
		ISOPROPYLBENZENE	0.2	UG/L	U	V		
		METHYLENE CHLORIDE	0.2	UG/L	U	V	5	0
		NAPHTHALENE	0.2	UG/L	U	V		
		PROPANE, 1,2-DIBROMO-3-CHLORO-	0.4	UG/L	U	R		
		STYRENE	0.2	UG/L	U	V		
		TETRACHLOROETHENE	0.2	UG/L	U	V	5	0
		TOLUENE	0.2	UG/L	U	V	2000	0
		TRICHLOROETHENE	0.2	UG/L	U	V	5	0
		TRICHLOROFLUOROMETHANE	0.3	UG/L	U	V		
		VINYL CHLORIDE	0.2	UG/L	U	V		
		cis-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	0.2	UG/L	U	V		
		m+p XYLENE	0.3	UG/L	U	V		
		n-BUTYLBENZENE	0.2	UG/L	U	V		
		n-PROPYLBENZENE	0.2	UG/L	U	V		
		o-CHLOROTOLUENE	0.3	UG/L	U	V		
		o-XYLENE	0.2	UG/L	U	V		
		p-CHLOROTOLUENE	0.2	UG/L	U	V		
		sec-BUTYLBENZENE	0.2	UG/L	U	V		
		tert-BUTYLBENZENE	0.2	UG/L	U	V		
		trans-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	0.4	UG/L	U	V		

Well 31491 VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW00617GA	19-May-94	1,1,1,2-TETRACHLOROETHANE	0.2	UG/L	U	V		
		1,1,1-TRICHLOROETHANE	0.2	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	0.2	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	0.6	UG/L	U	V		
		1,1-DICHLOROETHANE	0.2	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	0.2	UG/L	U	V	7	0
		1,1-DICHLOROPROPENE	0.1	UG/L	U	V		
		1,2,3-TRICHLOROBENZENE	0.2	UG/L	U	V		
		1,2,3-TRICHLOROPROPANE	0.4	UG/L	U	J		
		1,2,4-TRICHLOROBENZENE	0.3	UG/L	U	V		
		1,2-DIBROMOETHANE	0.3	UG/L	U	V		
		1,2-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,2-DICHLOROBENZENE-D4	108	%REC		Z		
		1,2-DICHLOROETHANE	0.4	UG/L	U	V	5	0
		1,2-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,3-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,3-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,4-DICHLOROBENZENE	0.3	UG/L	U	V		
		2,2-DICHLOROPROPANE	0.3	UG/L	U	V		
		4-ISOPROPYLTOUENE	0.2	UG/L	U	V		
		BENZENE	0.2	UG/L	U	V		
		BENZENE, 1,2,4-TRIMETHYL	0.2	UG/L	U	V		
		BENZENE, 1,3,5-TRIMETHYL-	0.2	UG/L	U	V		
		BROMOBENZENE	0.2	UG/L	U	V		
		BROMOCHLOROMETHANE	0.5	UG/L	U	V		
		BROMODICHLOROMETHANE	0.2	UG/L	U	V		
		BROMOFLUOROBENZENE	106	%REC		Z		
		BROMOFORM	0.3	UG/L	U	V		
		BROMOMETHANE	0.5	UG/L	U	V		
		CARBON TETRACHLORIDE	0.3	UG/L	U	V	5	0
		CHLOROBENZENE	0.2	UG/L	U	V		
		CHLOROETHANE	0.4	UG/L	U	V		
		CHLOROFORM	0.2	UG/L	U	V		
		CHLOROMETHANE	0.4	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.2	UG/L	U	V		
		DIBROMOMETHANE	0.3	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0.2	UG/L	U	V		
		ETHYLBENZENE	0.2	UG/L	U	V		
		HEXAChLOROBUTADIENE	0.2	UG/L	U	V		
		ISOPROPYLBENZENE	0.2	UG/L	U	V		
		METHYLENE CHLORIDE	1	UG/L		V	5	0
		NAPHTHALENE	0.2	UG/L	U	J		
		PROPANE, 1,2-DIBROMO-3-CHLORO-	0.4	UG/L	U	R		
		STYRENE	0.2	UG/L	U	V		
		TETRACHLOROETHENE	0.6	UG/L		V	5	0
		TOLUENE	0.2	UG/L	U	V	2000	0
		TRICHLOROETHENE	0.2	UG/L	U	V	5	0
		TRICHLOROFLUOROMETHANE	0.3	UG/L	U	V		
		VINYL CHLORIDE	0.2	UG/L	U	V		
		cis-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	0.2	UG/L	U	V		
		m+p XYLENE	0.3	UG/L	U	V		
		n-BUTYLBENZENE	0.2	UG/L	U	V		
		n-PROPYLBENZENE	0.2	UG/L	U	V		
		o-CHLOROTOLUENE	0.3	UG/L	U	V		
		o-XYLENE	0.2	UG/L	U	V		
		p-CHLOROTOLUENE	0.2	UG/L	U	V		
		sec-BUTYLBENZENE	0.2	UG/L	U	V		
		tert-BUTYLBENZENE	0.2	UG/L	U	V		
		trans-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	0.4	UG/L	U	V		

## Well 11092 VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW00592GA	20-Apr-94	1,1,1,2-TETRACHLOROETHANE	0.2	UG/L	U	V		
		1,1,1-TRICHLOROETHANE	0.2	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	0.2	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	0.6	UG/L	U	V		
		1,1-DICHLOROETHANE	0.2	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	0.2	UG/L	U	V	7	0
		1,1-DICHLOROPROPENE	0.1	UG/L	U	V		
		1,2,3-TRICHLOROBENZENE	0.2	UG/L	U	V		
		1,2,3-TRICHLOROPROPANE	0.4	UG/L	U	V		
		1,2,4-TRICHLOROBENZENE	0.3	UG/L	U	V		
		1,2-DIBROMOETHANE	0.3	UG/L	U	V		
		1,2-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,2-DICHLOROBENZENE-D4	92 %REC		Z			
		1,2-DICHLOROETHANE	0.4	UG/L	U	V	5	0
		1,2-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,3-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,3-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,4-DICHLOROBENZENE	0.3	UG/L	U	V		
		2,2-DICHLOROPROPANE	0.3	UG/L	U	V		
		4-ISOPROPYLTOluENE	0.2	UG/L	U	V		
		BENZENE	0.2	UG/L	U	V		
		BENZENE, 1,2,4-TRIMETHYL	0.2	UG/L	U	V		
		BENZENE, 1,3,5-TRIMETHYL-	0.2	UG/L	U	V		
		BROMOBENZENE	0.2	UG/L	U	V		
		BROMOCHLOROMETHANE	0.5	UG/L	U	V		
		BROMODICHLOROMETHANE	0.2	UG/L	U	V		
		BROMOFLUOROBENZENE	90 %REC		Z			
		BRoMoFORM	0.3	UG/L	U	V		
		BROMOMETHANE	0.5	UG/L	U	V		
		CARBON TETRACHLORIDE	0.3	UG/L	U	V	5	0
		CHLOROBENZENE	0.2	UG/L	U	V		
		CHLOROETHANE	0.4	UG/L	U	V		
		CHLOROFORM	0.2	UG/L	U	V		
		CHLOROMETHANE	0.4	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.2	UG/L	U	V		
		DIBROMOMETHANE	0.3	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0.2	UG/L	U	V		
		ETHYLBEnZENE	0.2	UG/L	U	V		
		HEXACHLOROBUTADIENE	0.2	UG/L	U	V		
		ISOPROPYLBENZENE	0.2	UG/L	U	V		
		METHYLENE CHLORIDE	0.2	UG/L	U	V	5	0
		NAPHTHALENE	0.2	UG/L	U	V		
		PROPANE, 1,2-DIBROMO-3-CHLORO-	0.4	UG/L	U	R		
		STYRENE	0.2	UG/L	U	V		
		TETRACHLOROETHENE	0.2	UG/L	U	V	5	0
		TOLUENE	0.2	UG/L	U	V	2000	0
		TRICHLOROETHENE	0.2	UG/L	U	V	5	0
		TRICHLOROFLUOROMETHANE	0.3	UG/L	U	V		
		VINYL CHLORIDE	0.2	UG/L	U	V		
		cis-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	0.2	UG/L	U	V		
		m+p XYLENE	0.3	UG/L	U	V		
		n-BUTYLBENZENE	0.2	UG/L	U	V		
		n-PROPYLBENZENE	0.2	UG/L	U	V		
		o-CHLOROToluENE	0.3	UG/L	U	V		
		o-XYLENE	0.2	UG/L	U	V		
		p-CHLOROToluENE	0.2	UG/L	U	V		
		sec-BUTYLBENZENE	0.2	UG/L	U	V		
		tert-BUTYLBENZENE	0.2	UG/L	U	V		
		trans-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	0.4	UG/L	U	V		

## Well 10992 VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW00591GA	20-Apr-94	1,1,1,2-TETRACHLOROETHANE	0.2	UG/L	U	V		
		1,1,1-TRICHLOROETHANE	0.2	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	0.2	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	0.6	UG/L	U	V		
		1,1-DICHLOROETHANE	0.2	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	0.2	UG/L	U	V	7	0
		1,1-DICHLOROPROPENE	0.1	UG/L	U	V		
		1,2,3-TRICHLOROBENZENE	0.2	UG/L	U	V		
		1,2,3-TRICHLOROPROPANE	0.4	UG/L	U	V		
		1,2,4-TRICHLOROBENZENE	0.3	UG/L	U	V		
		1,2-DIBROMOETHANE	0.3	UG/L	U	V		
		1,2-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,2-DICHLOROBENZENE-D4	89 %REC		Z			
		1,2-DICHLOROETHANE	0.4	UG/L	U	V	5	0
		1,2-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,3-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,3-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,4-DICHLOROBENZENE	0.3	UG/L	U	V		
		2,2-DICHLOROPROPANE	0.3	UG/L	U	V		
		4-ISOPROPYL TOLUENE	0.2	UG/L	U	V		
		BENZENE	0.2	UG/L	U	V		
		BENZENE, 1,2,4-TRIMETHYL	0.2	UG/L	U	V		
		BENZENE, 1,3,5-TRIMETHYL-	0.2	UG/L	U	V		
		BROMOBENZENE	0.2	UG/L	U	V		
		BROMOCHLOROMETHANE	0.5	UG/L	U	V		
		BROMODICHLOROMETHANE	0.2	UG/L	U	V		
		BROMOFLUOROBENZENE	88 %REC		Z			
		BROMOFORM	0.3	UG/L	U	V		
		BROMOMETHANE	0.5	UG/L	U	V		
		CARBON TETRACHLORIDE	0.3	UG/L	U	V	5	0
		CHLOROBENZENE	0.2	UG/L	U	V		
		CHLOROETHANE	0.4	UG/L	U	V		
		CHLOROFORM	0.2	UG/L	U	V		
		CHLOROMETHANE	0.4	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.2	UG/L	U	V		
		DIBROMOMETHANE	0.3	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0.2	UG/L	U	V		
		ETHYLBENZENE	0.2	UG/L	U	V		
		HEXAChLOROBUTADIENE	0.2	UG/L	U	V		
		ISOPROPYL BENZENE	0.2	UG/L	U	V		
		METHYLENE CHLORIDE	0.2	UG/L	U	V	5	0
		NAPHTHALENE	0.2	UG/L	U	V		
		PROPANE, 1,2-DIBROMO-3-CHLORO-	0.4	UG/L	U	R		
		STYRENE	0.2	UG/L	U	V		
		TETRACHLOROETHENE	0.2	UG/L	U	V	5	0
		TOLUENE	0.2	UG/L	U	V	2000	0
		TRICHLOROETHENE	0.2	UG/L	U	V	5	0
		TRICHLOROFLUOROMETHANE	0.3	UG/L	U	V		
		VINYL CHLORIDE	0.2	UG/L	U	V		
		cis-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	0.2	UG/L	U	V		
		m-p XYLENE	0.3	UG/L	U	V		
		n-BUTYL BENZENE	0.2	UG/L	U	V		
		n-PROPYLBENZENE	0.2	UG/L	U	V		
		o-CHLOROTOLUENE	0.3	UG/L	U	V		
		o-XYLENE	0.2	UG/L	U	V		
		p-CHLOROTOLUENE	0.2	UG/L	U	V		
		sec-BUTYL BENZENE	0.2	UG/L	U	V		
		tert-BUTYL BENZENE	0.2	UG/L	U	V		
		trans-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	0.4	UG/L	U	V		

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Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW00590GA	20-Apr-94	1,1,1,2-TETRACHLOROETHANE	0.2	UG/L	U	V		
		1,1,1-TRICHLOROETHANE	0.2	UG/L	U	V		
		1,1,2,2-TETRACHLOROETHANE	0.2	UG/L	U	V	200	0
		1,1,2-TRICHLOROETHANE	0.6	UG/L	U	V		
		1,1-DICHLOROETHANE	0.2	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	0.2	UG/L	U	V	7	0
		1,1-DICHLOROPROPENE	0.1	UG/L	U	V		
		1,2,3-TRICHLOROBENZENE	0.2	UG/L	U	V		
		1,2,3-TRICHLOROPROPANE	0.4	UG/L	U	V		
		1,2,4-TRICHLOROBENZENE	0.3	UG/L	U	V		
		1,2-DIBROMOETHANE	0.3	UG/L	U	V		
		1,2-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,2-DICHLOROBENZENE-D4	85	%REC		Z		
		1,2-DICHLOROETHANE	0.4	UG/L	U	V	5	0
		1,2-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,3-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,3-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,4-DICHLOROBENZENE	0.3	UG/L	U	V		
		2,2-DICHLOROPROPANE	0.3	UG/L	U	V		
		4-ISOPROPYL TOLUENE	0.2	UG/L	U	V		
		BENZENE	0.2	UG/L	U	V		
		BENZENE, 1,2,4-TRIMETHYL	0.2	UG/L	U	V		
		BENZENE, 1,3,5-TRIMETHYL-	0.2	UG/L	U	V		
		BROMOBENZENE	0.2	UG/L	U	V		
		BROMOCHLOROMETHANE	0.5	UG/L	U	V		
		BROMODICHLOROMETHANE	0.2	UG/L	U	V		
		BROMOFLUOROBENZENE	91	%REC		Z		
		BROMOFORM	0.3	UG/L	U	V		
		BROMOMETHANE	0.5	UG/L	U	V		
		CARBON TETRACHLORIDE	0.3	UG/L	U	V	5	0
		CHLOROBENZENE	0.2	UG/L	U	V		
		CHLOROETHANE	0.4	UG/L	U	V		
		CHLOROFORM	0.2	UG/L	U	V		
		CHLOROMETHANE	0.4	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.2	UG/L	U	V		
		DIBROMOMETHANE	0.3	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0.2	UG/L	U	V		
		ETHYL BENZENE	0.2	UG/L	U	V		
		HEXA-CHLOROBUTADIENE	0.2	UG/L	U	V		
		ISOPROPYL BENZENE	0.2	UG/L	U	V		
		METHYLENE CHLORIDE	0.2	UG/L	U	V	5	0
		NAPHTHALENE	0.2	UG/L	U	V		
		PROPANE, 1,2-DIBROMO-3-CHLORO-	0.4	UG/L	U	R		
		STYRENE	0.2	UG/L	U	V		
		TETRACHLOROETHENE	0.6	UG/L		V	5	0
		TOLUENE	4	UG/L		V	2000	0
		TRICHLOROETHENE	0.2	UG/L	U	V	5	0
		TRICHLOROFLUOROMETHANE	0.3	UG/L	U	V		
		UNKNOWN	0.68	UG/L	J	Z		
		VINYL CHLORIDE	0.2	UG/L	U	V		
		cis-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	0.2	UG/L	U	V		
		m+p XYLINE	0.3	UG/L	U	V		
		n-BUTYL BENZENE	0.2	UG/L	U	V		
		n-PROPYLBENZENE	0.2	UG/L	U	V		
		o-CHLOROTOLUENE	0.3	UG/L	U	V		
		o-XYLINE	0.2	UG/L	U	V		
		p-CHLOROTOLUENE	0.2	UG/L	U	V		
		sec-BUTYL BENZENE	0.2	UG/L	U	V		
		tert-BUTYL BENZENE	0.2	UG/L	U	V		
		trans-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	0.4	UG/L	U	V		

Well 10692 VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW00589GA	20-Apr-94	1,1,1,2-TETRACHLOROETHANE	0.2	UG/L	U	V		
		1,1,1-TRICHLOROETHANE	0.2	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	0.2	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	0.6	UG/L	U	V		
		1,1-DICHLOROETHANE	0.2	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	0.2	UG/L	U	V	7	0
		1,1-DICHLOROPROPENE	0.1	UG/L	U	V		
		1,2,3-TRICHLOROBENZENE	0.2	UG/L	U	V		
		1,2,3-TRICHLOROPROPANE	0.4	UG/L	U	V		
		1,2,4-TRICHLOROBENZENE	0.3	UG/L	U	V		
		1,2-DIBROMOETHANE	0.3	UG/L	U	V		
		1,2-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,2-DICHLOROBENZENE-D4	81 %REC			Z		
		1,2-DICHLOROETHANE	0.4	UG/L	U	V	5	0
		1,2-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,3-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,3-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,4-DICHLOROBENZENE	0.3	UG/L	U	V		
		2,2-DICHLOROPROPANE	0.3	UG/L	U	V		
		4-ISOPROPYLTOLUENE	0.2	UG/L	U	V		
		BENZENE	0.2	UG/L	U	V		
		BENZENE, 1,2,4-TRIMETHYL	0.2	UG/L	U	V		
		BENZENE, 1,3,5-TRIMETHYL-	0.2	UG/L	U	V		
		BROMOBENZENE	0.2	UG/L	U	V		
		BROMOCHLOROMETHANE	0.5	UG/L	U	V		
		BROMODICHLOROMETHANE	0.2	UG/L	U	V		
		BROMOFLUOROBENZENE	91 %REC			Z		
		BROMOFORM	0.3	UG/L	U	V		
		BROMOMETHANE	0.5	UG/L	U	V		
		CARBON TETRACHLORIDE	0.3	UG/L	U	V	5	0
		CHLOROBENZENE	0.2	UG/L	U	V		
		CHLOROETHANE	0.4	UG/L	U	V		
		CHLOROFORM	0.2	UG/L	U	V		
		CHLOROMETHANE	0.4	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.2	UG/L	U	V		
		DIBROMOMETHANE	0.3	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0.2	UG/L	U	V		
		ETHYLBENZENE	0.2	UG/L	U	V		
		HEXAHCLOROBUTADIENE	0.2	UG/L	U	V		
		ISOPROPYLBENZENE	0.2	UG/L	U	V		
		METHYLENE CHLORIDE	0.2	UG/L	U	V	5	0
		NAPHTHALENE	0.2	UG/L	U	V		
		PROPANE, 1,2-DIBROMO-3-CHLORO-	0.4	UG/L	U	R		
		STYRENE	0.2	UG/L	U	V		
		TETRACHLOROETHENE	0.2	UG/L	U	V	5	0
		TOLUENE	0.2	UG/L	U	V	2000	0
		TRICHLOROETHENE	0.2	UG/L	U	V	5	0
		TRICHLOROFLUOROMETHANE	0.3	UG/L	U	V		
		VINYL CHLORIDE	0.2	UG/L	U	V		
		cis-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	0.2	UG/L	U	V		
		m+p XYLENE	0.3	UG/L	U	V		
		n-BUTYLBENZENE	0.2	UG/L	U	V		
		n-PROPYLBENZENE	0.2	UG/L	U	V		
		o-CHLOROTOLUENE	0.3	UG/L	U	V		
		o-XYLENE	0.2	UG/L	U	V		
		p-CHLOROTOLUENE	0.2	UG/L	U	V		
		sec-BUTYLBENZENE	0.2	UG/L	U	V		
		tert-BUTYLBENZENE	0.2	UG/L	U	V		
		trans-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	0.4	UG/L	U	V		

## Well 10592 VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW00588GA	20-Apr-94	1,1,1,2-TETRACHLOROETHANE	0.2	UG/L	U	V		
		1,1,1-TRICHLOROETHANE	0.2	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	0.2	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	0.6	UG/L	U	V		
		1,1-DICHLOROETHANE	0.2	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	0.2	UG/L	U	V	7	0
		1,1-DICHLOROPROPENE	0.1	UG/L	U	V		
		1,2,3-TRICHLOROBENZENE	0.2	UG/L	U	V		
		1,2,3-TRICHLOROPROPANE	0.4	UG/L	U	V		
		1,2,4-TRICHLOROBENZENE	0.3	UG/L	U	V		
		1,2-DIBROMOETHANE	0.3	UG/L	U	V		
		1,2-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,2-DICHLOROBENZENE-D4	85 %REC		Z			
		1,2-DICHLOROETHANE	0.4	UG/L	U	V	5	0
		1,2-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,3-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,3-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,4-DICHLOROBENZENE	0.3	UG/L	U	V		
		2,2-DICHLOROPROPANE	0.3	UG/L	U	V		
		4-ISOPROPYLtoluene	0.2	UG/L	U	V		
		BENZENE	0.2	UG/L	U	V		
		BENZENE, 1,2,4-TRIMETHYL	0.2	UG/L	U	V		
		BENZENE, 1,3,5-TRIMETHYL-	0.2	UG/L	U	V		
		BROMOBENZENE	0.2	UG/L	U	V		
		BROMOCHLOROMETHANE	0.5	UG/L	U	V		
		BROMODICHLOROMETHANE	0.2	UG/L	U	V		
		BROMOFLUOROBENZENE	82 %REC		Z			
		BROMOFORM	0.3	UG/L	U	V		
		BROMOMETHANE	0.5	UG/L	U	V		
		CARBON TETRACHLORIDE	0.3	UG/L	U	V	5	0
		CHLOROBENZENE	0.2	UG/L	U	V		
		CHLOROETHANE	0.4	UG/L	U	V		
		CHLOROFORM	0.2	UG/L	U	V		
		CHLOROMETHANE	0.4	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.2	UG/L	U	V		
		DIBROMOMETHANE	0.3	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0.2	UG/L	U	V		
		ETHYLBENZENE	0.2	UG/L	U	V		
		HEXAChlorobutadiene	0.2	UG/L	U	V		
		ISOPROPYLBENZENE	0.2	UG/L	U	V		
		METHYLENE CHLORIDE	0.2	UG/L	U	V	5	0
		NAPHTHALENE	0.2	UG/L	U	V		
		PROPANE, 1,2-DIBROMO-3-CHLOROSTYRENE	0.4	UG/L	U	R		
		TETRACHLOROETHENE	0.2	UG/L	U	V		
		TOLUENE	0.2	UG/L	U	V	2000	0
		Trichloroethene	0.2	UG/L	U	V	5	0
		Trichlorofluoromethane	0.3	UG/L	U	V		
		VINYL CHLORIDE	0.2	UG/L	U	V		
		cis-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	0.2	UG/L	U	V		
		m+p XYLENE	0.3	UG/L	U	V		
		n-BUTYLBENZENE	0.2	UG/L	U	V		
		n-PROPYLBENZENE	0.2	UG/L	U	V		
		o-CHLOROToluene	0.3	UG/L	U	V		
		o-XYLENE	0.2	UG/L	U	V		
		p-CHLOROToluene	0.2	UG/L	U	V		
		sec-BUTYLBENZENE	0.2	UG/L	U	V		
		tert-BUTYLBENZENE	0.2	UG/L	U	V		
		trans-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	0.4	UG/L	U	V		

## Well 10492 VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW00587GA	20-Apr-94	1,1,1,2-TETRACHLOROETHANE	0.2	UG/L	U	V		
		1,1,1-TRICHLOROETHANE	0.2	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	0.2	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	0.6	UG/L	U	V		
		1,1-DICHLOROETHANE	0.2	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	0.2	UG/L	U	V	7	0
		1,1-DICHLOROPROPENE	0.1	UG/L	U	V		
		1,2,3-TRICHLOROBENZENE	0.2	UG/L	U	V		
		1,2,3-TRICHLOROPROPANE	0.4	UG/L	U	V		
		1,2,4-TRICHLOROBENZENE	0.3	UG/L	U	V		
		1,2-DIBROMOETHANE	0.3	UG/L	U	V		
		1,2-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,2-DICHLOROBENZENE-D4	83 %REC		Z			
		1,2-DICHLOROETHANE	0.4	UG/L	U	V	5	0
		1,2-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,3-DICHLOROBENZENE	0.2	UG/L	U	V		
		1,3-DICHLOROPROPANE	0.2	UG/L	U	V		
		1,4-DICHLOROBENZENE	0.3	UG/L	U	V		
		2,2-DICHLOROPROPANE	0.3	UG/L	U	V		
		4-ISOPROPYLTOluENE	0.2	UG/L	U	V		
		BENZENE	0.2	UG/L	U	V		
		BENZENE, 1,2,4-TRIMETHYL	0.2	UG/L	U	V		
		BENZENE, 1,3,5-TRIMETHYL-	0.2	UG/L	U	V		
		BROMOBENZENE	0.2	UG/L	U	V		
		BROMOCHLOROMETHANE	0.5	UG/L	U	V		
		BROMODICHLOROMETHANE	0.2	UG/L	U	V		
		BRoMoFLuOROBENZENE	80 %REC		Z			
		BROMOFORM	0.3	UG/L	U	V		
		BROMOMETHANE	0.5	UG/L	U	V		
		CARBON TETRACHLORIDE	0.3	UG/L	U	V	5	0
		CHLOROBENZENE	0.2	UG/L	U	V		
		CHLOROETHANE	0.4	UG/L	U	V		
		CHLOROFORM	0.2	UG/L	U	V		
		CHLOROMETHANE	0.4	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.2	UG/L	U	V		
		DIBROMOMETHANE	0.3	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0.2	UG/L	U	V		
		ETHYLBENZENE	0.2	UG/L	U	V		
		HEXACHLOROBUTADIENE	0.2	UG/L	U	V		
		ISOPROPYLBENZENE	0.2	UG/L	U	V		
		METHYLENE CHLORIDE	0.2	UG/L	U	V	5	0
		NAPHTHALENE	0.2	UG/L	U	V		
		PROPANE, 1,2-DIBROMO-3-CHLORO-	0.4	UG/L	U	R		
		STYRENE	0.2	UG/L	U	V		
		TETRACHLOROETHENE	0.2	UG/L	U	V	5	0
		TOLUENE	0.2	UG/L	U	V	2000	0
		TRICHLOROETHENE	0.2	UG/L	U	V	5	0
		TRICHLOROFUOROMETHANE	0.3	UG/L	U	V		
		VINYL CHLORIDE	0.2	UG/L	U	V		
		cis-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	0.2	UG/L	U	V		
		m+p XYLENE	0.3	UG/L	U	V		
		n-BUTYLBENZENE	0.2	UG/L	U	V		
		n-PROPYLBENZENE	0.2	UG/L	U	V		
		o-CHLOROTOLUENE	0.3	UG/L	U	V		
		o-XYLENE	0.2	UG/L	U	V		
		p-CHLOROTOLUENE	0.2	UG/L	U	V		
		sec-BUTYLBENZENE	0.2	UG/L	U	V		
		tert-BUTYLBENZENE	0.2	UG/L	U	V		
		trans-1,2-DICHLOROETHENE	0.2	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	0.4	UG/L	U	V		

# **APPENDIX B**

## 881 French Drain Sump VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10211RG	12-Apr-94	1,2,4-TRICHLOROBENZENE	10	UG/L	U	V		
		1,2-DICHLOROBENZENE	10	UG/L	U	V		
		1,3-DICHLOROBENZENE	10	UG/L	U	V		
		1,4-DICHLOROBENZENE	10	UG/L	U	V		
		2,4,5-TRICHLOROPHENOL	50	UG/L	U	V		
		2,4,6-TRIBROMOPHENOL	64	%REC		Z		
		2,4,6-TRICHLOROPHENOL	10	UG/L	U	V		
		2,4-DICHLOROPHENOL	10	UG/L	U	V		
		2,4-DIMETHYLPHENOL	10	UG/L	U	V		
		2,4-DINITROPHENOL	50	UG/L	U	V		
		2,4-DINITROTOLUENE	10	UG/L	U	V		
		2,6-DINITROTOLUENE	10	UG/L	U	V		
		2-CHLORONAPHTHALENE	10	UG/L	U	V		
		2-CHLOROPHENOL	10	UG/L	U	V		
		2-Cyclohexen-1-ol	8.7	UG/L	BJ	Z		
		2-Cyclohexen-1-one	9.7	UG/L	BJ	Z		
		2-FLUOROBIPHENYL	68	%REC		Z		
		2-METHYLNAPHTHALENE	10	UG/L	U	V		
		2-METHYLPHENOL	10	UG/L	U	V		
		2-NITROANILINE	50	UG/L	U	V		
		2-NITROPHENOL	10	UG/L	U	V		
		3,3'-DICHLOROBENZIDINE	20	UG/L	U	V		
		3-NITROANILINE	50	UG/L	U	V		
		4,6-DINITRO-2-METHYLPHENOL	50	UG/L	U	V		
		4-CHLORO-3-METHYLPHENOL	10	UG/L	U	V		
		4-CHLOROANILINE	10	UG/L	U	V		
		4-CHLOROPHENYL PHENYL ETHER	10	UG/L	U	V		
		4-METHYLPHENOL	10	UG/L	U	V		
		4-NITROANILINE	50	UG/L	U	V		
		4-NITROPHENOL	50	UG/L	U	V		
		ACENAPHTHENE	10	UG/L	U	V		
		ACENAPHTHYLENE	10	UG/L	U	V		
		ANTHRACENE	10	UG/L	U	V		
		BENZO(a)ANTHRACENE	10	UG/L	U	V		
		BENZO(a)PYRENE	10	UG/L	U	V		
		BENZO(b)FLUORANTHENE	10	UG/L	U	V		
		BENZO(ghi)PERYLENE	10	UG/L	U	V		
		BENZO(k)FLUORANTHENE	10	UG/L	U	V		
		BENZOIC ACID	50	UG/L	U	V		
		BENZYL ALCOHOL	10	UG/L	U	V		
		BIS(2-CHLOROETHOXY)METHANE	10	UG/L	U	V		
		BIS(2-CHLOROETHYL)ETHER	10	UG/L	U	V		
		BIS(2-CHLOROISOPROPYL)ETHER	10	UG/L	U	V		
		BIS(2-ETHYLHEXYL)PHTHALATE	10	UG/L	U	V		
		BUTYL BENZYL PHTHALATE	10	UG/L	U	V		
		CHRYSENE	10	UG/L	U	V		
		DI-n-BUTYL PHTHALATE	10	UG/L	U	V		
		DI-n-OCTYL PHTHALATE	10	UG/L	U	V		
		DIBENZO(a,h)ANTHRACENE	10	UG/L	U	V		
		DIBENZOFURAN	10	UG/L	U	V		
		DIETHYL PHTHALATE	10	UG/L	U	V		
		DIMETHYL PHTHALATE	10	UG/L	U	V		
		FLUORANTHENE	10	UG/L	U	V		
		FLUORENE	10	UG/L	U	V		
		HEXACHLOROBENZENE	10	UG/L	U	V		
		HEXACHLOROBUTADIENE	10	UG/L	U	V		
		HEXACHLOROCYCLOPENTADIENE	10	UG/L	U	V		
		HEXACHLOROETHANE	10	UG/L	U	V		
		INDENO(1,2,3-cd)PYRENE	10	UG/L	U	V		
		ISOPHORONE	10	UG/L	U	V		
		N-NITROSO-DI-n-PROPYLAMINE	10	UG/L	U	V		

## 881 French Drain Sump VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10211RG	12-Apr-94	N-NITROSODIPHENYLAMINE	10 UG/L	U	V			
		NAPHTHALENE	10 UG/L	U	V			
		NITROBENZENE	10 UG/L	U	V			
		NITROBENZENE-D5	69 %REC		Z			
		PENTACHLOROPHENOL	50 UG/L	U	V			
		PHENANTHRENE	10 UG/L	U	V			
		PHENOL	10 UG/L	U	V			
		PHENOL-D5	77 %REC		Z			
		PYRENE	10 UG/L	U	V			
		TERPHENYL-D14	80 %REC		Z			
		o-FLUOROPHENOL	79 %REC		Z			
		p-BROMODIPHENYL ETHER	10 UG/L	U	V			
FT10223RG	20-Apr-94	1,1,1-TRICHLOROETHANE	5 UG/L	U	V	200	0	
		1,1,2,2-TETRACHLOROETHANE	5 UG/L	U	V			
		1,1,2-TRICHLOROETHANE	5 UG/L	U	V			
		1,1-DICHLOROETHANE	5 UG/L	U	V	5	0	
		1,1-DICHLOROETHENE	5 UG/L	U	V	7	0	
		1,2 DICHLOROETHANE -D4	100 %REC		Z			
		1,2-DICHLOROETHANE	5 UG/L	U	V	5	0	
		1,2-DICHLOROETHENE	5 UG/L	U	V			
		1,2-DICHLOROPROPANE	5 UG/L	U	V			
		2-BUTANONE	10 UG/L	U	R			
		2-HEXANONE	10 UG/L	U	V			
		4-METHYL-2-PENTANONE	10 UG/L	U	V			
		ACETONE	10 UG/L	U	V			
		BENZENE	5 UG/L	U	V			
		BROMODICHLOROMETHANE	5 UG/L	U	V			
		BROMOFLUOROBENZENE	92 %REC		Z			
		BROMOFORM	5 UG/L	U	V			
		BROMOMETHANE	10 UG/L	U	V			
		CARBON DISULFIDE	5 UG/L	U	V			
		CARBON TETRACHLORIDE	5 UG/L	U	V	5	0	
		CHLOROBENZENE	5 UG/L	U	V			
		CHLOROETHANE	10 UG/L	U	V			
		CHLOROFORM	5 UG/L	U	V			
		CHLOROMETHANE	10 UG/L	U	V			
		DIBROMOCHLOROMETHANE	5 UG/L	U	V			
		ETHYLBENZENE	5 UG/L	U	V			
		METHYLENE CHLORIDE	5 UG/L	U	V	5	0	
		STYRENE	5 UG/L	U	V			
		TETRACHLOROETHENE	2 UG/L	J	A	5	0	
		TOLUENE	5 UG/L	U	V	2000	0	
		TOLUENE - D8	97 %REC		Z			
		TOTAL XYLEMES	5 UG/L	U	V			
		TRICHLOROETHENE	5 UG/L	U	V	5	0	
		VINYL ACETATE	10 UG/L	U	V			
		VINYL CHLORIDE	10 UG/L	U	V			
		cis-1,3-DICHLOROPROPENE	5 UG/L	U	V			
		trans-1,3-DICHLOROPROPENE	5 UG/L	U	V			
FT10240RG	9-May-94	1,1,1-TRICHLOROETHANE	5 UG/L	U	V	200	0	
		1,1,2,2-TETRACHLOROETHANE	5 UG/L	U	V			
		1,1,2-TRICHLOROETHANE	5 UG/L	U	V			
		1,1-DICHLOROETHANE	5 UG/L	U	V	5	0	
		1,1-DICHLOROETHENE	5 UG/L	U	V	7	0	
		1,2 DICHLOROETHANE -D4	103 %REC		Y			
		1,2 DICHLOROETHANE -D4	107 %REC		Y			
		1,2 DICHLOROETHANE -D4	105 %REC		Z			
		1,2,4-TRICHLOROBENZENE	10 UG/L	U	V			
		1,2-DICHLOROBENZENE	10 UG/L	U	V			

## 881 French Drain Sump VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10240RG	9-May-94	1,2-DICHLOROETHANE	5 UG/L	U	V		5	0
		1,2-DICHLOROETHENE	5 UG/L	U	V			
		1,2-DICHLOROPROPANE	5 UG/L	U	V			
		1,3-DICHLOROBENZENE	10 UG/L	U	V			
		1,4-DICHLOROBENZENE	10 UG/L	U	V			
		2,4,5-TRICHLOROPHENOL	50 UG/L	U	V			
		2,4,6-TRIBROMOPHENOL	71 %REC		Z			
		2,4,6-TRICHLOROPHENOL	10 UG/L	U	V			
		2,4-DICHLOROPHENOL	10 UG/L	U	V			
		2,4-DIMETHYLPHENOL	10 UG/L	U	V			
		2,4-DINITROPHENOL	50 UG/L	U	V			
		2,4-DINITROTOLUENE	10 UG/L	U	V			
		2,6-DINITROTOLUENE	10 UG/L	U	V			
		2-BUTANONE	10 UG/L	U	V			
		2-CHLORONAPHTHALENE	10 UG/L	U	V			
		2-CHLOROPHENOL	10 UG/L	U	V			
		2-FLUOROBIPHENYL	61 %REC		Z			
		2-HEXANONE	10 UG/L	U	V			
		2-METHYLNAPHTHALENE	10 UG/L	U	V			
		2-METHYLPHENOL	10 UG/L	U	V			
		2-NITROANILINE	50 UG/L	U	V			
		2-NITROPHENOL	10 UG/L	U	V			
		3,3'-DICHLOROBENZIDINE	20 UG/L	U	V			
		3-NITROANILINE	50 UG/L	U	V			
		4,6-DINITRO-2-METHYLPHENOL	50 UG/L	U	V			
		4-CHLORO-3-METHYLPHENOL	10 UG/L	U	V			
		4-CHLOROANILINE	10 UG/L	U	V			
		4-CHLOROPHENYL PHENYL ETHER	10 UG/L	U	V			
		4-METHYL-2-PENTANONE	10 UG/L	U	V			
		4-METHYLPHENOL	10 UG/L	U	V			
		4-NITROANILINE	50 UG/L	U	V			
		4-NITROPHENOL	50 UG/L	U	V			
		ACENAPHTHENE	10 UG/L	U	V			
		ACENAPHTHYLENE	10 UG/L	U	V			
		ACETONE	10 UG/L	U	V			
		ANTHRACENE	10 UG/L	U	V			
		BENZENE	5 UG/L	U	V			
		BENZO(a)ANTHRACENE	10 UG/L	U	V			
		BENZO(a)PYRENE	10 UG/L	U	V			
		BENZO(b)FLUORANTHENE	10 UG/L	U	V			
		BENZO(ghi)PERYLENE	10 UG/L	U	V			
		BENZO(k)FLUORANTHENE	10 UG/L	U	V			
		BENZOIC ACID	50 UG/L	U	V			
		BENZYL ALCOHOL	10 UG/L	U	V			
		BIS(2-CHLOROETHOXY)METHANE	10 UG/L	U	V			
		BIS(2-CHLOROETHYL)ETHER	10 UG/L	U	V			
		BIS(2-CHLOROISOPROPYL)ETHER	10 UG/L	U	V			
		BIS(2-ETHYLHEXYL)PHTHALATE	5 UG/L	J	A			
		BROMODICHLOROMETHANE	5 UG/L	U	V			
		BROMOFLUOROBENZENE	92 %REC		Y			
		BROMOFLUOROBENZENE	93 %REC		Y			
		BROMOFLUOROBENZENE	97 %REC		Z			
		BROMOFORM	5 UG/L	U	V			
		BROMOMETHANE	10 UG/L	U	V			
		BUTYL BENZYL PHTHALATE	10 UG/L	U	V			
		CARBON DISULFIDE	5 UG/L	U	V			
		CARBON TETRACHLORIDE	5 UG/L	U	V	5	0	
		CHLOROBENZENE	5 UG/L	U	V			
		CHLOROETHANE	10 UG/L	U	V			
		CHLOROFORM	5 UG/L	U	V			
		CHLOROMETHANE	10 UG/L	U	V			

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Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10240RG	9-May-94	CHRYSENE	10	UG/L	U	V		
		DI-n-BUTYL PHTHALATE	10	UG/L	U	V		
		DI-n-OCTYL PHTHALATE	10	UG/L	U	V		
		DIBENZO(a,h)ANTHRACENE	10	UG/L	U	V		
		DIBENZOFURAN	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	5	UG/L	U	V		
		DIETHYL PHTHALATE	10	UG/L	U	V		
		DIMETHYL PHTHALATE	10	UG/L	U	V		
		ETHYLBENZENE	5	UG/L	U	V		
		FLUORANTHENE	10	UG/L	U	V		
		FLUORENE	10	UG/L	U	V		
		HEXAChLOROBENZENE	10	UG/L	U	V		
		HEXAChLOROBUTADIENE	10	UG/L	U	V		
		HEXAChLOROCYCLOPENTADIENE	10	UG/L	U	V		
		HEXAChLOROETHANE	10	UG/L	U	V		
		Hexanedioic acid, diethyl este	18	UG/L	J	Z		
		INDENO(1,2,3-cd)PYRENE	10	UG/L	U	V		
		ISOPHORONE	10	UG/L	U	V		
		METHYLENE CHLORIDE	5	UG/L	U	V	5	0
		N-NITROSO-DI-n-PROPYLAMINE	10	UG/L	U	V		
		N-NITROSODIPHENYLAMINE	10	UG/L	U	V		
		NAPHTHALENE	10	UG/L	U	V		
		NITROBENZENE	10	UG/L	U	V		
		NITROBENZENE-D5	74 %REC			Z		
		PENTACHLOROPHENOL	50	UG/L	U	V		
		PHENANTHRENE	10	UG/L	U	V		
		PHENOL	10	UG/L	U	V		
		PHENOL-D5	51 %REC			Z		
		PYRENE	10	UG/L	U	V		
		STYRENE	5	UG/L	U	V		
		TERPHENYL-D14	59 %REC			Z		
		TETRACHLOROETHENE	2	UG/L	J	A	5	0
		TOLUENE	5	UG/L	U	V	2000	0
		TOLUENE - D8	98 %REC			Y		
		TOLUENE - D8	99 %REC			Y		
		TOLUENE - D8	108 %REC			Z		
		TOTAL XYLEMES	5	UG/L	U	V		
		TRICHLOROETHENE	5	UG/L	U	V	5	0
		VINYL ACETATE	10	UG/L	U	R		
		VINYL CHLORIDE	10	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	5	UG/L	U	V		
		o-FLUOROPHENOL	46 %REC			Z		
		p-BROMODIPHENYL ETHER	10	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	5	UG/L	U	V		
FT10259RG	7-Jun-94	1,1,1-TRICHLOROETHANE	5	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	5	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	5	UG/L	U	V		
		1,1-DICHLOROETHANE	5	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	5	UG/L	U	V	7	0
		1,2 DICHLOROETHANE -D4	105 %REC			Z		
		1,2,4-TRICHLOROBENZENE	10	UG/L	U	V		
		1,2-DICHLOROBENZENE	10	UG/L	U	V		
		1,2-DICHLOROETHANE	5	UG/L	U	V	5	0
		1,2-DICHLOROETHENE	5	UG/L	U	V		
		1,2-DICHLOROPROPANE	5	UG/L	U	V		
		1,3-DICHLOROBENZENE	10	UG/L	U	V		
		1,4-DICHLOROBENZENE	10	UG/L	U	V		
		2,4,5-TRICHLOROPHENOL	50	UG/L	U	V		
		2,4,6-TRIBROMOPHENOL	82 %REC			Z		
		2,4,6-TRICHLOROPHENOL	10	UG/L	U	V		

## 881 French Drain Sump VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10259RG	7-Jun-94	2,4-DICHLOROPHENOL	10	UG/L	U	V		
		2,4-DIMETHYLPHENOL	10	UG/L	U	V		
		2,4-DINITROPHENOL	50	UG/L	U	V		
		2,4-DINITROTOLUENE	10	UG/L	U	V		
		2,6-DINITROTOLUENE	10	UG/L	U	V		
		2-BUTANONE	10	UG/L	U	V		
		2-CHLORONAPHTHALENE	10	UG/L	U	V		
		2-CHLOROPHENOL	10	UG/L	U	V		
		2-FLUOROBIPHENYL	66	%REC		Z		
		2-HEXANONE	10	UG/L	U	V		
		2-METHYLNAPHTHALENE	10	UG/L	U	V		
		2-METHYLPHENOL	10	UG/L	U	V		
		2-NITROANILINE	50	UG/L	U	V		
		2-NITROPHENOL	10	UG/L	U	V		
		3,3'-DICHLOROBENZIDINE	20	UG/L	U	V		
		3-NITROANILINE	50	UG/L	U	V		
		4,6-DINITRO-2-METHYLPHENOL	50	UG/L	U	V		
		4-CHLORO-3-METHYLPHENOL	10	UG/L	U	V		
		4-CHLOROANILINE	10	UG/L	U	V		
		4-CHLOROPHENYL PHENYL ETHER	10	UG/L	U	V		
		4-METHYL-2-PENTANONE	10	UG/L	U	V		
		4-METHYLPHENOL	10	UG/L	U	V		
		4-NITROANILINE	50	UG/L	U	V		
		4-NITROPHENOL	50	UG/L	U	V		
		ACENAPHTHENE	10	UG/L	U	V		
		ACENAPHTHYLENE	10	UG/L	U	V		
		ACETONE	10	UG/L	U	R		
		ANTHRACENE	10	UG/L	U	V		
		BENZENE	5	UG/L	U	V		
		BENZO(a)ANTHRACENE	10	UG/L	U	V		
		BENZO(a)PYRENE	10	UG/L	U	V		
		BENZO(b)FLUORANTHENE	10	UG/L	U	V		
		BENZO(ghi)PERYLENE	10	UG/L	U	V		
		BENZO(k)FLUORANTHENE	10	UG/L	U	V		
		BENZOIC ACID	50	UG/L	U	V		
		BENZYL ALCOHOL	10	UG/L	U	V		
		BIS(2-CHLOROETHOXY)METHANE	10	UG/L	U	V		
		BIS(2-CHLOROETHYL)ETHER	10	UG/L	U	V		
		BIS(2-CHLOROISOPROPYL)ETHER	10	UG/L	U	V		
		BIS(2-ETHYLHEXYL)PHTHALATE	10	UG/L	U	V		
		BROMODICHLOROMETHANE	5	UG/L	U	V		
		BROMOFLUOROBENZENE	111	%REC		Z		
		BROMOFORM	5	UG/L	U	V		
		BROMOMETHANE	10	UG/L	U	V		
		BUTYL BENZYL PHTHALATE	10	UG/L	U	V		
		CARBON DISULFIDE	5	UG/L	U	V		
		CARBON TETRACHLORIDE	5	UG/L	U	V	5	0
		CHLOROBENZENE	5	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	5	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	R		
		CHRYSENE	10	UG/L	U	V		
		Di-n-BUTYL PHTHALATE	10	UG/L	U	J		
		Di-n-OCTYL PHTHALATE	10	UG/L	U	V		
		DIBENZO(a,h)ANTHRACENE	10	UG/L	U	V		
		DIBENZOFURAN	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	5	UG/L	U	V		
		DIETHYL PHTHALATE	10	UG/L	U	V		
		DIMETHYL PHTHALATE	10	UG/L	U	V		
		ETHYLBENZENE	5	UG/L	U	V		
		FLUORANTHENE	10	UG/L	U	V		

## 881 French Drain Sump VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10259RG	7-Jun-94	FLUORENE	10	UG/L	U	V		
		HEXACHLOROBENZENE	10	UG/L	U	V		
		HEXACHLOROBUTADIENE	10	UG/L	U	V		
		HEXACHLOROCYCLOPENTADIENE	10	UG/L	U	V		
		HEXACHLOROETHANE	10	UG/L	U	V		
		INDENO(1,2,3-cd)PYRENE	10	UG/L	U	V		
		ISOPHORONE	10	UG/L	U	V		
		METHYLENE CHLORIDE	5	UG/L	U	V	5	0
		N-NITROSO-DI-n-PROPYLAMINE	10	UG/L	U	V		
		N-NITROSODIPHENYLAMINE	10	UG/L	U	V		
		NAPHTHALENE	10	UG/L	U	V		
		NITROBENZENE	10	UG/L	U	V		
		NITROBENZENE-D5	69	%REC		Z		
		PENTACHLOROPHENOL	50	UG/L	U	V		
		PHENANTHRENE	10	UG/L	U	V		
		PHENOL	10	UG/L	U	V		
		PHENOL-D5	49	%REC		Z		
		PYRENE	10	UG/L	U	V		
		STYRENE	5	UG/L	U	V		
		TERPHENYL-D14	51	%REC		Z		
		TETRACHLOROETHENE	2	UG/L	J	A	5	0
		TOLUENE	5	UG/L	U	V	2000	0
		TOLUENE - D8	108	%REC		Z		
		TOTAL XYLEMES	5	UG/L	U	V		
		TRICHLOROETHENE	5	UG/L	U	V	5	0
		VINYL ACETATE	10	UG/L	U	V		
		VINYL CHLORIDE	10	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	5	UG/L	U	V		
		$\alpha$ -FLUOROPHENOL	49	%REC		Z		
		p-BROMODIPHENYL ETHER	10	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	5	UG/L	U	V		

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Sample Number	Sample Date	Element	Result	Unit Measure	Qual	Vqual	ARAR	SAM > ARAR
FT10211RG	12-Apr-94	ALUMINUM		11 UG/L	U	R	5000	0
		ANTIMONY		14 UG/L	U	V	60	0
		ARSENIC		2.2 UG/L	B	V	50	0
		BARIUM		152 UG/L	B	V	1000	0
		BERYLLIUM		1 UG/L	U	V	100	0
		CADMIUUM		3 UG/L	U	V	10	0
		CALCIUM	92700	.UG/L		V		
		CESIUM		63 UG/L	U	V		
		CHROMIUM		2 UG/L	U	JA	50	0
		COBALT		2 UG/L	U	V		
		COPPER		3 UG/L	U	JA	200	0
		IRON	18.4	UG/L	U	JA	300	0
		LEAD		1 UG/L	B	V	50	0
		LITHIUM		12.2 UG/L	B	V	2500	0
		MAGNESIUM	20900	.UG/L		V		
		MANGANESE		1 UG/L	U	V	50	0
		MERCURY		0.2 UG/L	U	V	2	0
		MOLYBDENUM		12.2 UG/L	U	JA	100	0
		NICKEL		6 UG/L	U	V	200	0
		POTASSIUM	2860	.UG/L	B	V		
		SELENIUM		4.1 UG/L	B	V	10	0
		SILICON		6070 UG/L		V		
		SILVER		2 UG/L	U	V	50	0
		SODIUM	48500	.UG/L		V		
		STRONTIUM		627 UG/L		V		
		THALLIUM		1 UG/L	UWN	JA	10	0
		TIN		10 UG/L	U	V		
		VANADIUM		3 UG/L	B	V	100	0
		ZINC		63.7 UG/L		V	2000	0
FT10240RG	9-May-94	ALUMINUM		32.09 UG/L	B	Z	5000	0
		ANTIMONY		14 UG/L	U	Z	60	0
		ARSENIC		3.2 UG/L	B	Z	50	0
		BARIUM		163.57 UG/L	B	Z	1000	0
		BERYLLIUM		1 UG/L	U	Z	100	0
		CADMIUUM		3 UG/L	U	Z	10	0
		CALCIUM	93806.36	.UG/L		Z		
		CESIUM		63 UG/L	U	Z		
		CHROMIUM		2 UG/L	U	Z	50	0
		COBALT		2 UG/L	U	Z		
		COPPER		1 UG/L	U	Z	200	0
		IRON	16.96	UG/L	B	Z	300	0
		LEAD		1 UG/L	U	Z	50	0
		LITHIUM		11.91 UG/L	B	Z	2500	0
		MAGNESIUM	20856.22	.UG/L		Z		
		MANGANESE		1 UG/L	U	Z	50	0
		MERCURY		0.2 UG/L	U	Z	2	0
		MOLYBDENUM		3 UG/L	U	Z	100	0
		NICKEL		6 UG/L	U	Z	200	0
		POTASSIUM	2385.4	UG/L	B	Z		
		SELENIUM		4.7 UG/L	B	Z	10	0
		SILICON		5944.97 UG/L		Z		
		SILVER		2 UG/L	U	Z	50	0

## 881 French Drain Metals April - June 1994

Sample Number	Sample Date	Element	Result	Unit Measure	Qual	Vqual	ARAR	SAM > ARAR
FT10240RG	9-May-94	SODIUM	49396.22	UG/L		Z		
		STRONTIUM	645.56	UG/L		Z		
		THALLIUM	2	UG/L	U	Z	10	0
		TIN	10	UG/L	U	Z		
		VANADIUM	2.22	UG/L	B	Z	100	0
		ZINC	67.04	UG/L		Z	2000	0
FT10240RG	9-May-94	ALUMINUM	31.7	UG/L	B	Y	5000	0
		ANTIMONY	14	UG/L	U	Y	60	0
		ARSENIC	3.3	UG/L	B	Y	50	0
		BARIUM	161	UG/L	B	Y	1000	0
		BERYLLIUM	1	UG/L	U	Y	100	0
		CADMIUM	3	UG/L	U	Y	10	0
		CALCIUM	92100	UG/L		Y		
		CESIUM	63	UG/L	U	Y		
		CHROMIUM	2	UG/L	U	Y	50	0
		COBALT	2	UG/L	U	Y		
		COPPER	1.4	UG/L	B	Y	200	0
		IRON	25.9	UG/L	B	Y	300	0
		LEAD	1	UG/L	UW	Y	50	0
		LITHIUM	11.6	UG/L	B	Y	2500	0
		MAGNESIUM	20500	UG/L		Y		
		MANGANESE	1	UG/L	U	Y	50	0
		MERCURY	0.2	UG/L	U	Y	2	0
		MOLYBDENUM	3	UG/L	U	Y	100	0
		NICKEL	6	UG/L	U	Y	200	0
		POTASSIUM	2340	UG/L	B	Y		
		SELENIUM	3.5	UG/L	BW	Y	10	0
		SILICON	5830	UG/L		Y		
		SILVER	2	UG/L	U	Y	50	0
		SODIUM	48600	UG/L		Y		
		STRONTIUM	635	UG/L		Y		
		THALLIUM	2	UG/L	UWN	Y	10	0
		TIN	10	UG/L	U	Y		
		VANADIUM	2	UG/L	U	Y	100	0
		ZINC	67	UG/L		Y	2000	0
FT10259RG	7-Jun-94	ALUMINUM	20.9	UG/L	U	JA	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	2.3	UG/L	B	V	50	0
		BARIUM	150	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	3	UG/L	U*	JA	10	0
		CALCIUM	96300	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	4.8	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	2	UG/L	U	JA	200	0
		IRON	24.6	UG/L	U	JA	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	14.8	UG/L	B	V	2500	0
		MAGNESIUM	21600	UG/L		V		
		MANGANESE	1.2	UG/L	B	V	50	0

881 French Drain Metals April - June 1994

Sample Number	Sample Date	Element	Result	Unit Measure	Qual	Vqual	ARAR	SAM > ARAR
FT10259RG	7-Jun-94	MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	4.2	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	2640	UG/L	U	JA		
		SELENIUM	6.4	UG/L		V	10	0
		SILICON	6280	UG/L		V		
		SILVER	2	UG/L	U	V	50	0
		SODIUM	50900	UG/L		V		
		STRONTIUM	675	UG/L		V		
		THALLIUM	2	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	2.6	UG/L	U	JA	100	0
		ZINC	127	UG/L	E	JA	2000	0

881 French Drain Sump Rads April - June 1994

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
FT10211RG	12-Apr-94	AMERICIUM-241	0.013	PCI/L	0.006	B	Y	4	0
		GROSS ALPHA	3.4	PCI/L	1.3		Y	15	0
		GROSS BETA	38	PCI/L	1.9		Y	50	0
		PLUTONIUM-239/240	0.001	PCI/L	0.003	U	V	15	0
		STRONTIUM-89,90	0.11	PCI/L	0.12	U	Y	8	0
		TOTAL RADIOCESIUM	-0.13	PCI/L	0.2	U	Y		
		TRITIUM	230	PCI/L	150	J	V	20000	0
		URANIUM-233,-234	4	PCI/L	0.73		V		
		URANIUM-235	0.27	PCI/L	0.16	J	V		
		URANIUM-238	2.6	PCI/L	0.55		V		
		TOTAL URANIUM	6.87		1.44			40	0
FT10240RG	9-May-94	AMERICIUM-241	0.002	PCI/L	0.003	U	Y	4	0
		GROSS ALPHA	3.7	PCI/L	1.7		Y	15	0
		GROSS BETA	5.6	PCI/L	1		Y	50	0
		PLUTONIUM-239/240	0.008	PCI/L	0.005	J	Y	15	0
		STRONTIUM-89,90	0.16	PCI/L	0.22	U	Y	8	0
		TOTAL RADIOCESIUM	-0.007	PCI/L	0.15	U	Y		
		TRITIUM	72	PCI/L	130	U	Y	20000	0
		URANIUM-233,-234	4.5	PCI/L	0.68		V		
		URANIUM-235	0.16	PCI/L	0.12	U	Y		
		URANIUM-238	3	PCI/L	0.53		V		
		TOTAL URANIUM	7.66		1.33			40	0
FT10259RG	7-Jun-94	AMERICIUM-241	0.001	PCI/L	0.003	U	Y	4	0
		GROSS ALPHA	6.4	PCI/L	1.8		Y	15	0
		GROSS BETA	5.7	PCI/L	1		Y	50	0
		PLUTONIUM-239/240	0.002	PCI/L	0.006	U	Y	15	0
		STRONTIUM-89,90	0.023	PCI/L	0.12	U	Y	8	0
		TOTAL RADIOCESIUM	0	PCI/L	0.067	U	Y		
		TRITIUM	110	PCI/L	150	U	Y	20000	0
		URANIUM-233,-234	4.3	PCI/L	0.43		V		
		URANIUM-235	0.2	PCI/L	0.086	J	Y		
		URANIUM-238	3	PCI/L	0.34		V		
		TOTAL URANIUM	7.5		0.856			40	0

## 881 French Drain Sump Water Quality April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10211RG	12-Apr-94	4,4'-DDD		0.1 UG/L	U	V		
		4,4'-DDE		0.1 UG/L	U	V		
		4,4'-DDT		0.1 UG/L	U	V		
		ALDRIN		0.05 UG/L	U	V		
		ACROCLOR-1016		0.5 UG/L	U	V		
		ACROCLOR-1221		0.5 UG/L	U	V		
		ACROCLOR-1232		0.5 UG/L	U	V		
		ACROCLOR-1242		0.5 UG/L	U	V		
		ACROCLOR-1248		0.5 UG/L	U	V		
		ACROCLOR-1254		1 UG/L	U	V		
		ACROCLOR-1260		1 UG/L	U	V		
		BICARBONATE AS CACO <sub>3</sub>		210 MG/L		V		
		CARBONATE AS CACO <sub>3</sub>		1 MG/L	U	V		
		CHLORIDE		120 MG/L		V	250	0
		DI-BUTYLCHLORENDATE		90 %REC		Z		
		DIELDRIN		0.1 UG/L	U	V		
		ENDOSULFAN I		0.05 UG/L	U	V		
		ENDOSULFAN II		0.1 UG/L	U	V		
		ENDOSULFAN SULFATE		0.1 UG/L	U	V		
		ENDRIN		0.1 UG/L	U	V		
		ENDRIN ALDEHYDE				Z		
		ENDRIN KETONE		0.1 UG/L	U	V		
		FLUORIDE		0.9 MG/L		V		
		HEPTACHLOR		0.05 UG/L	U	V		
		HEPTACHLOR EPOXIDE		0.05 UG/L	U	V		
		METHOXYCHLOR		0.5 UG/L	U	V		
		NITRATE/NITRITE		4.9 MG/L		V	10	0
		SULFATE		44 MG/L		V	250	0
		TOTAL DISSOLVED SOLIDS		440 MG/L		V	400	1
		TOTAL SUSPENDED SOLIDS		4 MG/L	U	V		
		TOXAPHENE		1 UG/L		V		
		alpha-BHC		0.05 UG/L	U	V		
		alpha-CHLORDANE		0.5 UG/L	U	V		
		beta-BHC		0.05 UG/L	U	V		
		delta-BHC		0.05 UG/L	U	V		

881 French Drain Sump Water Quality April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10211RG	12-Apr-94	gamma-BHC (LINDANE)	0.05	UG/L	U	V		
		gamma-CHLORDANE	0.5	UG/L	U	V		
FT10240RG	9-May-94	BICARBONATE AS CACO <sub>3</sub>	230	MG/L		Z		
		CARBONATE AS CACO <sub>3</sub>	1	MG/L	U	Z		
		CHLORIDE	110	MG/L		Z	250	0
		FLUORIDE	1.1	MG/L		Z		
		NITRATE/NITRITE	6.4	MG/L		Z	10	0
		SULFATE	52	MG/L		Z	250	0
		TOTAL DISSOLVED SOLIDS	510	MG/L		Z	400	1
		TOTAL SUSPENDED SOLIDS	4	MG/L	U	Z		
FT10240RG	9-May-94	4,4'-DDD	0.1	UG/L	U	V		
		4,4'-DDE	0.1	UG/L	U	V		
		4,4'-DDT	0.1	UG/L	U	V		
		ALDRIN	0.05	UG/L	U	V		
		AROCLOL-1016	0.5	UG/L	U	V		
		AROCLOL-1221	0.5	UG/L	U	V		
		AROCLOL-1232	0.5	UG/L	U	V		
		AROCLOL-1242	0.5	UG/L	U	V		
		AROCLOL-1248	0.5	UG/L	U	V		
		AROCLOL-1254	1	UG/L	U	V		
		AROCLOL-1260	1	UG/L	U	V		
		BICARBONATE AS CACO <sub>3</sub>	230	MG/L		Y		
		CARBONATE AS CACO <sub>3</sub>	1	MG/L	U	Y		
		CHLORIDE	110	MG/L		Y	250	0
		DI-BUTYLCHLORENDATE	94	%REC		Z		
		DIELDRIN	0.1	UG/L	U	V		
		ENDOSULFAN I	0.05	UG/L	U	V		
		ENDOSULFAN II	0.1	UG/L	U	V		
		ENDOSULFAN SULFATE	0.1	UG/L	U	V		
		ENDRIN	0.1	UG/L	U	V		
		ENDRIN ALDEHYDE				Z		
		ENDRIN KETONE	0.1	UG/L	U	V		
		FLUORIDE	1.1	MG/L		Y		

881 French Drain Sump Water Quality April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10240RG	9-May-94	HEPTACHLOR	0.05	UG/L	U	V		
		HEPTACHLOR EPOXIDE	0.05	UG/L	U	V		
		METHOXYCHLOR	0.5	UG/L	U	V		
		NITRATE/NITRITE	6.5	MG/L		Y	10	0
		SULFATE	51	MG/L		Y	250	0
		TOTAL DISSOLVED SOLIDS	500	MG/L		Y	400	1
		TOTAL SUSPENDED SOLIDS	4	MG/L	U	Y		
		TOXAPHENE	1	UG/L	U	V		
		alpha-BHC	0.05	UG/L	U	V		
		alpha-CHLORDANE	0.5	UG/L	U	V		
		bela-BHC	0.05	UG/L	U	V		
		delta-BHC	0.05	UG/L	U	V		
		gamma-BHC (LINDANE)	0.05	UG/L	U	V		
		gamma-CHLORDANE	0.5	UG/L	U	V		
FT10259RG	7-Jun-94	4,4'-DDD	0.1	UG/L	U	V		
		4,4'-DDE	0.1	UG/L	U	V		
		4,4'-DDT	0.1	UG/L	U	V		
		ALDRIN	0.05	UG/L	U	V		
		AROCLOR-1016	0.5	UG/L	U	V		
		AROCLOR-1221	0.5	UG/L	U	V		
		AROCLOR-1232	0.5	UG/L	U	V		
		AROCLOR-1242	0.5	UG/L	U	V		
		AROCLOR-1248	0.5	UG/L	U	V		
		AROCLOR-1254	1	UG/L	U	V		
		AROCLOR-1260	1	UG/L	U	V		
		BICARBONATE AS CACO <sub>3</sub>	210	MG/L		V		
		CARBONATE AS CACO <sub>3</sub>	1	MG/L	U	V		
		CHLORIDE	110	MG/L		V	250	0
		DI-BUTYLCHLORENDATE	84	%REC		Z		
		DIELDRIN	0.1	UG/L	U	V		
		ENDOSULFAN I	0.05	UG/L	U	V		
		ENDOSULFAN II	0.1	UG/L	U	V		
		ENDOSULFAN SULFATE	0.1	UG/L	U	V		
		ENDRIN	0.1	UG/L	U	V		

881 French Drain Sump Water Quality April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10259RG	7-Jun-94	ENDRIN ALDEHYDE			Z			
		ENDRIN KETONE	0.1	UG/L	U	V		
		FLUORIDE	1	MG/L		V		
		HEPTACHLOR	0.05	UG/L	U	V		
		HEPTACHLOR EPOXIDE	0.05	UG/L	U	V		
		METHOXYCHLOR	0.5	UG/L	U	V		
		NITRATE/NITRITE	6.2	MG/L		V	10	0
		SULFATE	47	MG/L		V	250	0
		TOTAL DISSOLVED SOLIDS	520	MG/L		V	400	1
		TOTAL SUSPENDED SOLIDS	4	MG/L	U	V		
		TOXAPHENE	1	UG/L	U	V		
		alpha-BHC	0.05	UG/L	U	V		
		alpha-CHLORDANE	0.5	UG/L	U	V		
		beta-BHC	0.05	UG/L	U	V		
		delta-BHC	0.05	UG/L	U	V		
		gamma-BHC (LINDANE)	0.05	UG/L	U	V		
		gamma-CHLORDANE	0.5	UG/L	U	V		

## 881 Footing Drain VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10210RG	12-Apr-94	1,1,1-TRICHLOROETHANE	5 UG/L	U	V		200	0
		1,1,2,2-TETRACHLOROETHANE	5 UG/L	U	V			
		1,1,2-TRICHLOROETHANE	5 UG/L	U	V			
		1,1-DICHLOROETHANE	5 UG/L	U	V		5	0
		1,1-DICHLOROETHENE	5 UG/L	U	V		7	0
		1,2 DICHLOROETHANE -D4	98 %REC		Z			
		1,2,4-TRICHLOROBENZENE	10 UG/L	U	V			
		1,2-Cyclohexanediol	20 UG/L	J	Z			
		1,2-DICHLOROBENZENE	10 UG/L	U	V			
		1,2-DICHLOROETHANE	5 UG/L	U	V		5	0
		1,2-DICHLOROETHENE	1 UG/L	J	A			
		1,2-DICHLOROPROPANE	5 UG/L	U	V			
		1,3-DICHLOROBENZENE	10 UG/L	U	V			
		1,4-DICHLOROBENZENE	10 UG/L	U	V			
		2,4,5-TRICHLOROPHENOL	50 UG/L	U	V			
		2,4,6-TRIBROMOPHENOL	66 %REC		Z			
		2,4,6-TRICHLOROPHENOL	10 UG/L	U	V			
		2,4-DICHLOROPHENOL	10 UG/L	U	V			
		2,4-DIMETHYLPHENOL	10 UG/L	U	V			
		2,4-DINITROPHENOL	50 UG/L	U	V			
		2,4-DINITROTOLUENE	10 UG/L	U	V			
		2,6-DINITROTOLUENE	10 UG/L	U	V			
		2-BUTANONE	10 UG/L	U	R			
		2-CHLORONAPHTHALENE	10 UG/L	U	V			
		2-CHLOROPHENOL	10 UG/L	U	V			
		2-FLUOROBIPHENYL	71 %REC		Z			
		2-HEXANONE	10 UG/L	U	V			
		2-METHYLNAPHTHALENE	10 UG/L	U	V			
		2-METHYLPHENOL	10 UG/L	U	V			
		2-NITROANILINE	50 UG/L	U	V			
		2-NITROPHENOL	10 UG/L	U	V			
		3,3'-DICHLOROBENZIDINE	20 UG/L	U	V			
		3-NITROANILINE	50 UG/L	U	V			
		4,6-DINITRO-2-METHYLPHENOL	50 UG/L	U	V			
		4-CHLORO-3-METHYLPHENOL	10 UG/L	U	V			
		4-CHLOROANILINE	10 UG/L	U	V			
		4-CHLOROPHENYL PHENYL ETHER	10 UG/L	U	V			
		4-METHYL-2-PENTANONE	10 UG/L	U	V			
		4-METHYLPHENOL	10 UG/L	U	V			
		4-NITROANILINE	50 UG/L	U	V			
		4-NITROPHENOL	50 UG/L	U	V			
		ACENAPHTHENE	10 UG/L	U	V			
		ACENAPHTHYLENE	10 UG/L	U	V			
		ACETONE	10 UG/L	U	V			
		ANTHRACENE	10 UG/L	U	V			
		BENZENE	5 UG/L	U	V			
		BENZO(a)ANTHRACENE	10 UG/L	U	V			
		BENZO(a)PYRENE	10 UG/L	U	V			
		BENZO(b)FLUORANTHENE	10 UG/L	U	V			
		BENZO(ghi)PERYLENE	10 UG/L	U	V			
		BENZO(k)FLUORANTHENE	10 UG/L	U	V			
		BENZOIC ACID	50 UG/L	U	V			
		BENZYL ALCOHOL	10 UG/L	U	V			
		BIS(2-CHLOROETHOXY)METHANE	10 UG/L	U	V			
		BIS(2-CHLOROETHYL)ETHER	10 UG/L	U	V			
		BIS(2-CHLOROISOPROPYL)ETHER	10 UG/L	U	V			
		BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L	U	J			
		BROMODICHLOROMETHANE	5 UG/L	U	V			
		BROMOFLUOROBENZENE	91 %REC		Z			
		BROMOFORM	5 UG/L	U	V			
		BROMOMETHANE	10 UG/L	U	V			

## 881 Footing Drain VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10210RG	12-Apr-94	BUTYL BENZYL PHTHALATE	10	UG/L	U	V		
		CARBON DISULFIDE	5	UG/L	U	V		
		CARBON TETRACHLORIDE	5	UG/L	U	V	5	0
		CHLOROBENZENE	5	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	5	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	V		
		CHRYSENE	10	UG/L	U	V		
		DI-n-BUTYL PHTHALATE	10	UG/L	U	V		
		DI-n-OCTYL PHTHALATE	10	UG/L	U	V		
		DIBENZO(a,h)ANTHRACENE	10	UG/L	U	V		
		DIBENZOFURAN	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	5	UG/L	U	V		
		DIETHYL PHTHALATE	10	UG/L	U	V		
		DIMETHYL PHTHALATE	10	UG/L	U	V		
		ETHYLBENZENE	5	UG/L	U	V		
		FLUORANTHENE	10	UG/L	U	V		
		FLUORENE	10	UG/L	U	V		
		HEXACHLOROBENZENE	10	UG/L	U	V		
		HEXACHLOROBUTADIENE	10	UG/L	U	V		
		HEXACHLOROCYCLOPENTADIENE	10	UG/L	U	V		
		HEXACHLOROETHANE	10	UG/L	U	V		
		Hexanedioic acid, diethyl est	29	UG/L	J	Z		
		INDENO(1,2,3-cd)PYRENE	10	UG/L	U	V		
		ISOPHORONE	10	UG/L	U	V		
		METHYLENE CHLORIDE	5	UG/L	U	V	5	0
		N-NITROSO-DI-n-PROPYLAMINE	10	UG/L	U	V		
		N-NITROSODIPHENYLAMINE	10	UG/L	U	V		
		NAPHTHALENE	10	UG/L	U	V		
		NITROBENZENE	10	UG/L	U	V		
		NITROBENZENE-D5	73 %REC			Z		
		PENTACHLOROPHENOL	50	UG/L	U	V		
		PHENANTHRENE	10	UG/L	U	V		
		PHENOL	10	UG/L	U	V		
		PHENOL-D5	76 %REC			Z		
		PYRENE	10	UG/L	U	V		
		STYRENE	5	UG/L	U	V		
		TERPHENYL-D14	78 %REC			Z		
		TETRACHLOROETHENE	6	UG/L		V	5	1
		TOLUENE	5	UG/L	U	V	2000	0
		TOLUENE - D8	106 %REC			Z		
		TOTAL XYLEMES	5	UG/L	U	V		
		TRICHLOROETHENE	5	UG/L	U	V	5	0
		VINYL ACETATE	10	UG/L	U	V		
		VINYL CHLORIDE	10	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	5	UG/L	U	V		
		o-FLUOROPHENOL	78 %REC			Z		
		p-BROMODIPHENYL ETHER	10	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	5	UG/L	U	V		
FT10238RG	9-May-94	1,1,1-TRICHLOROETHANE	5	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	5	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	5	UG/L	U	V		
		1,1-DICHLOROETHANE	5	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	5	UG/L	U	V	7	0
		1,2 DICHLOROETHANE -D4	110 %REC			Z		
		1,2,4-TRICHLOROBENZENE	10	UG/L	U	V		
		1,2-DICHLOROBENZENE	10	UG/L	U	V		
		1,2-DICHLOROETHANE	5	UG/L	U	V	5	0
		1,2-DICHLOROETHENE	5	UG/L	U	V		
		1,2-DICHLOROPROPANE	5	UG/L	U	V		

## 881 Footing Drain VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10238RG	9-May-94	1,3-DICHLOROBENZENE	10	UG/L	U	V		
		1,4-DICHLOROBENZENE	10	UG/L	U	V		
		2,4,5-TRICHLOROPHENOL	50	UG/L	U	V		
		2,4,6-TRIBROMOPHENOL	77 %REC		Z			
		2,4,6-TRICHLOROPHENOL	10	UG/L	U	V		
		2,4-DICHLOROPHENOL	10	UG/L	U	V		
		2,4-DIMETHYLPHENOL	10	UG/L	U	V		
		2,4-DINITROPHENOL	50	UG/L	U	V		
		2,4-DINITROTOLUENE	10	UG/L	U	V		
		2,6-DINITROTOLUENE	10	UG/L	U	V		
		2-BUTANONE	10	UG/L	U	R		
		2-CHLORONAPHTHALENE	10	UG/L	U	V		
		2-CHLOROPHENOL	10	UG/L	U	V		
		2-FLUOROBIPHENYL	59 %REC		Z			
		2-HEXANONE	10	UG/L	U	V		
		2-METHYLNAPHTHALENE	10	UG/L	U	V		
		2-METHYLPHENOL	10	UG/L	U	V		
		2-NITROANILINE	50	UG/L	U	V		
		2-NITROPHENOL	10	UG/L	U	V		
		3,3'-DICHLOROBENZIDINE	20	UG/L	U	V		
		3-NITROANILINE	50	UG/L	U	V		
		4,6-DINITRO-2-METHYLPHENOL	50	UG/L	U	V		
		4-CHLORO-3-METHYLPHENOL	10	UG/L	U	V		
		4-CHLOROANILINE	10	UG/L	U	V		
		4-CHLOROPHENYL PHENYL ETHER	10	UG/L	U	V		
		4-METHYL-2-PENTANONE	10	UG/L	U	V		
		4-METHYLPHENOL	10	UG/L	U	V		
		4-NITROANILINE	50	UG/L	U	V		
		4-NITROPHENOL	50	UG/L	U	V		
		ACENAPHTHENE	10	UG/L	U	V		
		ACENAPHTHYLENE	10	UG/L	U	V		
		ACETONE	10	UG/L	U	R		
		ANTHRACENE	10	UG/L	U	V		
		BENZENE	5	UG/L	U	V		
		BENZO(a)ANTHRACENE	10	UG/L	U	V		
		BENZO(a)PYRENE	10	UG/L	U	V		
		BENZO(b)FLUORANTHENE	10	UG/L	U	V		
		BENZO(ghi)PERYLENE	10	UG/L	U	V		
		BENZO(k)FLUORANTHENE	10	UG/L	U	V		
		BENZOIC ACID	50	UG/L	U	V		
		BENZYL ALCOHOL	10	UG/L	U	V		
		BIS(2-CHLOROETHoxy)METHANE	10	UG/L	U	V		
		BIS(2-CHLOROETHYL)ETHER	10	UG/L	U	V		
		BIS(2-CHLORoisOPROPYL)ETHER	10	UG/L	U	V		
		BIS(2-ETHYLHEXYL)PHTHALATE	10	UG/L	U	V		
		BROMODICHLOROMETHANE	5	UG/L	U	V		
		BROMOFLUOROBENZENE	91 %REC		Z			
		BROMOFORM	5	UG/L	U	V		
		BROMOMETHANE	10	UG/L	U	V		
		BUTYL BENZYL PHTHALATE	10	UG/L	U	V		
		CARBON DISULFIDE	5	UG/L	U	V		
		CARBON TETRACHLORIDE	5	UG/L	U	V	5	0
		CHLOROBENZENE	5	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	5	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	V		
		CHRYSENE	10	UG/L	U	V		
		DI-n-BUTYL PHTHALATE	10	UG/L	U	V		
		DI-n-OCTYL PHTHALATE	10	UG/L	U	V		
		DIBENZO(a,h)ANTHRACENE	10	UG/L	U	V		
		DIBENZOFURAN	10	UG/L	U	V		

## 881 Footing Drain VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10238RG	9-May-94	DIBROMOCHLOROMETHANE	5	UG/L	U	V		
		DIETHYL PHTHALATE	10	UG/L	U	V		
		DIMETHYL PHTHALATE	10	UG/L	U	V		
		ETHYLBENZENE	5	UG/L	U	V		
		FLUORANTHENE	10	UG/L	U	V		
		FLUORENE	10	UG/L	U	V		
		HEXACHLOROBENZENE	10	UG/L	U	V		
		HEXACHLOROBUTADIENE	10	UG/L	U	V		
		HEXACHLOROCYCLOPENTADIENE	10	UG/L	U	V		
		HEXACHLOROETHANE	10	UG/L	U	V		
		INDENO(1,2,3-cd)PYRENE	10	UG/L	U	V		
		ISOPHORONE	10	UG/L	U	V		
		METHYLENE CHLORIDE	5	UG/L	U	V	5	0
		N-NITROSO-DI-n-PROPYLAMINE	10	UG/L	U	V		
		N-NITROSODIPHENYLAMINE	10	UG/L	U	V		
		NAPHTHALENE	10	UG/L	U	V		
		NITROBENZENE	10	UG/L	U	V		
		NITROBENZENE-D5	70	%REC	Z			
		PENTACHLOROPHENOL	50	UG/L	U	V		
		PHENANTHRENE	10	UG/L	U	V		
		PHENOL	10	UG/L	U	V		
		PHENOL-D5	55	%REC	Z			
		PYRENE	10	UG/L	U	V		
		STYRENE	5	UG/L	U	V		
		TERPHENYL-D14	53	%REC	Z			
		TETRACHLOROETHENE	3	UG/L	J	A	5	0
		TOLUENE	5	UG/L	U	V	2000	0
		TOLUENE - D8	106	%REC	Z			
		TOTAL XYLEMES	5	UG/L	U	V		
		TRICHLOROETHENE	5	UG/L	U	V	5	0
		VINYL ACETATE	10	UG/L	U	V		
		VINYL CHLORIDE	10	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	5	UG/L	U	V		
		o-FLUOROPHENOL	50	%REC	Z			
		p-BROMODIPHENYL ETHER	10	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	5	UG/L	U	V		
FT10239RG	9-May-94	1,1,1-TRICHLOROETHANE	5	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	5	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	5	UG/L	U	V		
		1,1-DICHLOROETHANE	5	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	5	UG/L	U	V	7	0
		1,2 DICHLOROETHANE -D4	111	%REC	Z			
		1,2-DICHLOROETHANE	5	UG/L	U	V	5	0
		1,2-DICHLOROETHENE	5	UG/L	U	V		
		1,2-DICHLOROPROPANE	5	UG/L	U	V		
		2-BUTANONE	10	UG/L	U	R		
		2-HEXANONE	10	UG/L	U	V		
		4-METHYL-2-PENTANONE	10	UG/L	U	V		
		ACETONE	10	UG/L	U	R		
		BENZENE	5	UG/L	U	V		
		BROMODICHLOROMETHANE	5	UG/L	U	V		
		BROMOFLUOROBENZENE	91	%REC	Z			
		BROMOFORM	5	UG/L	U	V		
		BROMOMETHANE	10	UG/L	U	V		
		CARBON DISULFIDE	5	UG/L	U	V		
		CARBON TETRACHLORIDE	5	UG/L	U	V	5	0
		CHLOROBENZENE	5	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	5	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	V		

## 881 Footing Drain VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10239RG	9-May-94	DIBROMOCHLOROMETHANE	5 UG/L	U	V			
		ETHYLBENZENE	5 UG/L	U	V			
		METHYLENE CHLORIDE	5 UG/L	U	V	5	0	
		STYRENE	5 UG/L	U	V			
		TETRACHLOROETHENE	5 UG/L	J	A	5	0	
		TOLUENE	5 UG/L	U	V	2000	0	
		TOLUENE - D8	105 %REC		Z			
		TOTAL XYLEMES	5 UG/L	U	V			
		TRICHLOROETHENE	5 UG/L	U	V	5	0	
		VINYL ACETATE	10 UG/L	U	V			
		VINYL CHLORIDE	10 UG/L	U	V			
		cis-1,3-DICHLOROPROPENE	5 UG/L	U	V			
		trans-1,3-DICHLOROPROPENE	5 UG/L	U	V			
FT10249RG	17-May-94	1,1,1-TRICHLOROETHANE	5 UG/L	U	V	200	0	
		1,1,2,2-TETRACHLOROETHANE	5 UG/L	U	V			
		1,1,2-TRICHLOROETHANE	5 UG/L	U	V			
		1,1-DICHLOROETHANE	5 UG/L	U	V	5	0	
		1,1-DICHLOROETHENE	5 UG/L	U	V	7	0	
		1,2 DICHLOROETHANE -D4	107 %REC		Z			
		1,2-DICHLOROETHANE	5 UG/L	U	V	5	0	
		1,2-DICHLOROETHENE	2 UG/L	J	A			
		1,2-DICHLOROPROPANE	5 UG/L	U	V			
		2-BUTANONE	10 UG/L	U	V			
		2-HEXANONE	10 UG/L	U	V			
		4-METHYL-2-PENTANONE	10 UG/L	U	V			
		ACETONE	10 UG/L	U	V			
		BENZENE	5 UG/L	U	V			
		BROMODICHLOROMETHANE	5 UG/L	U	V			
		BROMOFLUOROBENZENE	90 %REC		Z			
		BROMOFORM	5 UG/L	U	V			
		BROMOMETHANE	10 UG/L	U	V			
		CARBON DISULFIDE	5 UG/L	U	V			
		CARBON TETRACHLORIDE	5 UG/L	U	V	5	0	
		CHLOROBENZENE	5 UG/L	U	V			
		CHLOROETHANE	10 UG/L	U	V			
		CHLOROFORM	5 UG/L	U	V			
		CHLOROMETHANE	10 UG/L	U	V			
		DIBROMOCHLOROMETHANE	5 UG/L	U	V			
		ETHYLBENZENE	5 UG/L	U	V			
		METHYLENE CHLORIDE	2 UG/L	J	A	5	0	
		STYRENE	5 UG/L	U	V			
		TETRACHLOROETHENE	5 UG/L	J	A	5	0	
		TOLUENE	5 UG/L	U	V	2000	0	
		TOLUENE - D8	97 %REC		Z			
		TOTAL XYLEMES	5 UG/L	U	V			
		TRICHLOROETHENE	5 UG/L	U	V	5	0	
		VINYL ACETATE	10 UG/L	U	V			
		VINYL CHLORIDE	10 UG/L	U	V			
		cis-1,3-DICHLOROPROPENE	5 UG/L	U	V			
		trans-1,3-DICHLOROPROPENE	5 UG/L	U	V			
FT10258RG	7-Jun-94	1,1,1-TRICHLOROETHANE	5 UG/L	U	V	200	0	
		1,1,2,2-TETRACHLOROETHANE	5 UG/L	U	V			
		1,1,2-TRICHLOROETHANE	5 UG/L	U	V			
		1,1-DICHLOROETHANE	5 UG/L	U	V	5	0	
		1,1-DICHLOROETHENE	5 UG/L	U	V	7	0	
		1,2 DICHLOROETHANE -D4	102 %REC		Z			
		1,2,4-TRICHLOROBENZENE	10 UG/L	U	V			
		1,2-DICHLOROBENZENE	10 UG/L	U	V			
		1,2-DICHLOROETHANE	5 UG/L	U	V	5	0	

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Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10258RG	7-Jun-94	1,2-DICHLOROETHENE	5 UG/L	U	V			
		1,2-DICHLOROPROPANE	5 UG/L	U	V			
		1,3-DICHLOROBENZENE	10 UG/L	U	V			
		1,4-DICHLOROBENZENE	10 UG/L	U	V			
		2,4,5-TRICHLOROPHENOL	50 UG/L	U	V			
		2,4,6-TRIBROMOPHENOL	77 %REC		Z			
		2,4,6-TRICHLOROPHENOL	10 UG/L	U	V			
		2,4-DICHLOROPHENOL	10 UG/L	U	V			
		2,4-DIMETHYLPHENOL	10 UG/L	U	V			
		2,4-DINITROPHENOL	50 UG/L	U	V			
		2,4-DINITROTOLUENE	10 UG/L	U	V			
		2,6-DINITROTOLUENE	10 UG/L	U	V			
		2-BUTANONE	10 UG/L	U	V			
		2-CHLORONAPHTHALENE	10 UG/L	U	V			
		2-CHLOROPHENOL	10 UG/L	U	V			
		2-FLUOROBIPHENYL	54 %REC		Z			
		2-HEXANONE	10 UG/L	U	V			
		2-METHYLNAPHTHALENE	10 UG/L	U	V			
		2-METHYLPHENOL	10 UG/L	U	V			
		2-NITROANILINE	50 UG/L	U	V			
		2-NITROPHENOL	10 UG/L	U	V			
		3,3'-DICHLOROBENZIDINE	20 UG/L	U	V			
		3-NITROANILINE	50 UG/L	U	V			
		4,6-DINITRO-2-METHYLPHENOL	50 UG/L	U	V			
		4-CHLORO-3-METHYLPHENOL	10 UG/L	U	V			
		4-CHLOROANILINE	10 UG/L	U	V			
		4-CHLOROPHENYL PHENYL ETHER	10 UG/L	U	V			
		4-METHYL-2-PENTANONE	10 UG/L	U	V			
		4-METHYLPHENOL	10 UG/L	U	V			
		4-NITROANILINE	50 UG/L	U	V			
		4-NITROPHENOL	50 UG/L	U	V			
		ACENAPHTHENE	10 UG/L	U	V			
		ACENAPHTHYLENE	10 UG/L	U	V			
		ACETONE	10 UG/L	U	R			
		ANTHRACENE	10 UG/L	U	V			
		BENZENE	5 UG/L	U	V			
		BENZO(a)ANTHRACENE	10 UG/L	U	V			
		BENZO(a)PYRENE	10 UG/L	U	V			
		BENZO(b)FLUORANTHENE	10 UG/L	U	V			
		BENZO(ghi)PERYLENE	10 UG/L	U	V			
		BENZO(k)FLUORANTHENE	10 UG/L	U	V			
		BENZOIC ACID	50 UG/L	U	V			
		BENZYL ALCOHOL	10 UG/L	U	V			
		BIS(2-CHLOROETHOXY)METHANE	10 UG/L	U	V			
		BIS(2-CHLOROETHYL)ETHER	10 UG/L	U	V			
		BIS(2-CHLOROISOPROPYL)ETHER	10 UG/L	U	V			
		BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L	U	J			
		BROMODICHLOROMETHANE	5 UG/L	U	V			
		BROMOFLUOROBENZENE	108 %REC		Z			
		BROMOFORM	5 UG/L	U	V			
		BROMOMETHANE	10 UG/L	U	V			
		BUTYL BENZYL PHTHALATE	10 UG/L	U	V			
		CARBON DISULFIDE	5 UG/L	U	V			
		CARBON TETRACHLORIDE	5 UG/L	U	V			
		CHLOROBENZENE	5 UG/L	U	V			
		CHLOROETHANE	10 UG/L	U	V			
		CHLOROFORM	5 UG/L	U	V			
		CHLOROMETHANE	10 UG/L	U	R			
		CHRYSENE	10 UG/L	U	V			
		DI-n-BUTYL PHTHALATE	10 UG/L	U	J			
		DI-n-OCTYL PHTHALATE	10 UG/L	U	V			

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## 881 Footing Drain VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10258RG	7-Jun-94	DIBENZO(a,h)ANTHRACENE	10	UG/L	U	V		
		DIBENZOFURAN	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	5	UG/L	U	V		
		DIETHYL PHTHALATE	10	UG/L	U	V		
		DIMETHYL PHTHALATE	10	UG/L	U	V		
		ETHYLBENZENE	5	UG/L	U	V		
		FLUORANTHENE	10	UG/L	U	V		
		FLUORENE	10	UG/L	U	V		
		HEXACHLOROBENZENE	10	UG/L	U	V		
		HEXACHLOROBUTADIENE	10	UG/L	U	V		
		HEXACHLOROCYCLOPENTADIENE	10	UG/L	U	V		
		HEXAChLOROETHANE	10	UG/L	U	V		
		INDENO(1,2,3-cd)PYRENE	10	UG/L	U	V		
		ISOPHORONE	10	UG/L	U	V		
		METHYLENE CHLORIDE	5	UG/L	U	V	5	0
		N-NITROSO-DI-n-PROPYLAMINE	10	UG/L	U	V		
		N-NITROSODIPHENYLAMINE	10	UG/L	U	V		
		NAPHTHALENE	10	UG/L	U	V		
		NITROBENZENE	10	UG/L	U	V		
		NITROBENZENE-D5	55	%REC		Z		
		PENTACHLOROPHENOL	50	UG/L	U	V		
		PHENANTHRENE	10	UG/L	U	V		
		PHENOL	10	UG/L	U	V		
		PHENOL-D5	48	%REC		Z		
		PYRENE	10	UG/L	U	V		
		STYRENE	5	UG/L	U	V		
		TERPHENYL-D14	48	%REC		Z		
		TETRACHLOROETHENE	3	UG/L	J	A	5	0
		TOLUENE	5	UG/L	U	V	2000	0
		TOLUENE - D8	105	%REC		Z		
		TOTAL XYLEMES	5	UG/L	U	V		
		TRICHLOROETHENE	5	UG/L	U	V	5	0
		VINYL ACETATE	10	UG/L	U	V		
		VINYL CHLORIDE	10	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	5	UG/L	U	V		
		o-FLUOROPHENOL	48	%REC		Z		
		p-BROMODIPHENYL ETHER	10	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	5	UG/L	U	V		

## 881 Footing Drain Metals April - June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10210RG	12-Apr-94	ALUMINUM	13.54	UG/L	B	Z	5000	0
		ANTIMONY	14	UG/L	U	Z	60	0
		ARSENIC	1	UG/L	U	Z	50	0
		BARIUM	141.38	UG/L	B	Z	1000	0
		BERYLLIUM	1	UG/L	U	Z	100	0
		CADMUM	3	UG/L	U	Z	10	0
		CALCIUM	91363.15	UG/L		Z		
		CESIUM	63	UG/L	U	Z		
		CHROMIUM	2	UG/L	U	Z	50	0
		COBALT	2	UG/L	U	Z		
		COPPER	1.32	UG/L	B	Z	200	0
		IRON	25.14	UG/L	B	Z	300	0
		LEAD	1	UG/L	U	Z	50	0
		LITHIUM	11.44	UG/L	B	Z	2500	0
		MAGNESIUM	21027.35	UG/L		Z		
		MANGANESE	1	UG/L	U	Z	50	0
		MERCURY	0.2	UG/L	U	Z	2	0
		MOLYBDENUM	3.43	UG/L	B	Z	100	0
		NICKEL	6	UG/L	U	Z	200	0
		POTASSIUM	2989.01	UG/L	B	Z		
		SELENIUM	2.1	UG/L	B	Z	10	0
		SILICON	5884.01	UG/L		Z		
		SILVER	2	UG/L	U	Z	50	0
		SODIUM	46237.67	UG/L		Z		
		STRONTIUM	628.17	UG/L		Z		
		THALLIUM	1	UG/L	U	Z	10	0
		TIN	10	UG/L	U	Z		
		VANADIUM	2.6	UG/L	B	Z	100	0
		ZINC	54.08	UG/L		Z	2000	0
FT10210RG	12-Apr-94	ALUMINUM	19.8	UG/L	B	JA	5000	0
		ANTIMONY	15.2	UG/L	B	V	60	0
		ARSENIC	1	UG/L	U	V	50	0
		BARIUM	141	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMUM	3	UG/L	U	V	10	0
		CALCIUM	90100	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	2	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	1.3	UG/L	U	JA	200	0
		IRON	24.5	UG/L	U	JA	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	10.5	UG/L	B	V	2500	0
		MAGNESIUM	20900	UG/L		V		
		MANGANESE	1.1	UG/L	B	V	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	7.2	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	2690	UG/L	B	V		
		SELENIUM	3.6	UG/L	B	V	10	0
		SILICON	5800	UG/L		V		
		SILVER	2	UG/L	U	V	50	0

## 881 Footing Drain Metals April - June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10210RG	12-Apr-94	SODIUM	46200	UG/L		V		
		STRONTIUM	625	UG/L		V		
		THALLIUM	1	UG/L	UWN	JA	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	2	UG/L	U	V	100	0
		ZINC	49.8	UG/L		V	2000	0
FT10238RG	9-May-94	ALUMINUM	41.1	UG/L	B	Y	5000	0
		ANTIMONY	14	UG/L	U	Y	60	0
		ARSENIC	1	UG/L	U	Y	50	0
		BARIUM	147	UG/L	B	Y	1000	0
		BERYLLIUM	1	UG/L	U	Y	100	0
		CADMUM	3	UG/L	U	Y	10	0
		CALCIUM	95300	UG/L		Y		
		CESIUM	63	UG/L	U	Y		
		CHROMIUM	2	UG/L	U	Y	50	0
		COBALT	2	UG/L	U	Y		
		COPPER	1	UG/L	U	Y	200	0
		IRON	13.8	UG/L	B	Y	300	0
		LEAD	1	UG/L	U	Y	50	0
		LITHIUM	12.6	UG/L	B	Y	2500	0
		MAGNESIUM	20200	UG/L		Y		
		MANGANESE	1	UG/L	U	Y	50	0
		MERCURY	0.2	UG/L	U	Y	2	0
		MOLYBDENUM	3	UG/L	U	Y	100	0
		NICKEL	6	UG/L	U	Y	200	0
		POTASSIUM	2320	UG/L	B	Y		
		SELENIUM	2.6	UG/L	B	Y	10	0
		SILICON	6020	UG/L		Y		
		SILVER	2	UG/L	U	Y	50	0
		SODIUM	45400	UG/L		Y		
		STRONTIUM	629	UG/L		Y		
		THALLIUM	2	UG/L	UWN	Y	10	0
		TIN	10	UG/L	U	Y		
		VANADIUM	2	UG/L	B	Y	100	0
		ZINC	39	UG/L		Y	2000	0
FT10249RG	17-May-94	ALUMINUM	11	UG/L	U	Y	5000	0
		ANTIMONY	14	UG/L	U	Y	60	0
		ARSENIC	1	UG/L	U	Y	50	0
		BARIUM	137	UG/L	B	Y	1000	0
		BERYLLIUM	1	UG/L	U	Y	100	0
		CADMUM	3	UG/L	U	Y	10	0
		CALCIUM	91100	UG/L		Y		
		CESIUM	63	UG/L	U	Y		
		CHROMIUM	2	UG/L	U	Y	50	0
		COBALT	2	UG/L	U	Y		
		COPPER	1	UG/L	U	Y	200	0
		IRON	14.8	UG/L	B	Y	300	0
		LEAD	1	UG/L	U	Y	50	0
		LITHIUM	11.9	UG/L	B	Y	2500	0
		MAGNESIUM	19300	UG/L		Y		
		MANGANESE	1	UG/L	U	Y	50	0
		MERCURY	0.2	UG/L	U	Y	2	0

## 881 Footing Drain Metals April - June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10249RG	17-May-94	MOLYBDENUM	3	UG/L	U	Y	100	0
		NICKEL	6	UG/L	U	Y	200	0
		POTASSIUM	2210	UG/L	B	Y		
		SELENIUM	1.7	UG/L	B	Y	10	0
		SILICON	5930	UG/L		Y		
		SILVER	2	UG/L	U	Y	50	0
		SODIUM	43700	UG/L		Y		
		STRONTIUM	596	UG/L		Y		
		THALLIUM	2	UG/L	UWN	Y	10	0
		TIN	10	UG/L	U	Y		
		VANADIUM	2	UG/L	U	Y	100	0
		ZINC	37.2	UG/L		Y	2000	0
FT10258RG	7-Jun-94	ALUMINUM	15.5	UG/L	U	JA	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	1.1	UG/L	B	V	50	0
		BARIUM	156	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	26.8	UG/L	*	JA	10	1
		CALCIUM	98300	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	4.5	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	1	UG/L	U	JA	200	0
		IRON	44.6	UG/L	B	V	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	13	UG/L	B	V	2500	0
		MAGNESIUM	21400	UG/L		V		
		MANGANESE	1.4	UG/L	B	V	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	3.8	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	2400	UG/L	U	JA		
		SELENIUM	2.6	UG/L	B	V	10	0
		SILICON	6400	UG/L		V		
		SILVER	2	UG/L	U	V	50	0
		SODIUM	47600	UG/L		V		
		STRONTIUM	673	UG/L		V		
		THALLIUM	2	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	2.1	UG/L	U	JA	100	0
		ZINC	40.4	UG/L	E	JA	2000	0

881 Footing Drain Rads April - June 1994

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
FT10210RG	12-Apr-94	STRONTIUM-89,90	0.096	PCI/L	0.15	U	Z	8	0
		TOTAL RADIOCESIUM	-0.005	PCI/L	0.096	U	Z		
FT10210RG	12-Apr-94	AMERICIUM-241	0.009	PCI/L	0.004	BJ	V	4	0
		GROSS ALPHA	5.3	PCI/L	1.6		Y	15	0
		GROSS BETA	6.2	PCI/L	1.1		Y	50	0
		PLUTONIUM-239/240	0.001	PCI/L	0.002	U	V	15	0
		STRONTIUM-89,90	0.01	PCI/L	0.12	U	Y	8	0
		TOTAL RADIOCESIUM	0.18	PCI/L	0.24	U	Y		
		TRITIUM	82	PCI/L	150	U	V	20,000	0
		URANIUM-233,-234	3.7	PCI/L	0.63		V		
		URANIUM-235	0.21	PCI/L	0.14	J	V		
		URANIUM-238	2.2	PCI/L	0.47		V		
		TOTAL URANIUM	6.11		1.24			40	0
FT10238RG	9-May-94	STRONTIUM-89,90	0.02	PCI/L	0.16	U	Z	8	0
		TOTAL RADIOCESIUM	0.007	PCI/L	0.098	U	Z		
		URANIUM-233,-234	3.7	PCI/L	0.42		Z		
		URANIUM-235	0.092	PCI/L	0.082	U	Z		
		URANIUM-238	3	PCI/L	0.37		Z		
		TOTAL URANIUM	6.792		0.872			40	0
FT10238RG	9-May-94	AMERICIUM-241	0.002	PCI/L	0.002	U	Y	4	0
		GROSS ALPHA	5.7	PCI/L	1.8		Y	15	0
		GROSS BETA	7.4	PCI/L	1.1		Y	50	0
		PLUTONIUM-239/240	-0.001	PCI/L	0.003	U	Y	15	0
		STRONTIUM-89,90	0.19	PCI/L	0.33	U	Y	8	0
		TOTAL RADIOCESIUM	16	PCI/L	0.45		Y		
		TRITIUM	160	PCI/L	140	U	Y	20000	0
		URANIUM-233,-234	4.4	PCI/L	0.41		Y		
		URANIUM-235	0.19	PCI/L	0.095	J	Y		
		URANIUM-238	3	PCI/L	0.33		Y		
		TOTAL URANIUM	7.59		0.835			40	0

881 Footing Drain Rads April - June 1994

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
FT10249RG	17-May-94	STRONTIUM-89,90	-0.05	PCI/L	0.14	U	Z	8	0
		TOTAL RADIOCESIUM	-0.037	PCI/L	0.21	U	Z		
FT10249RG	17-May-94	AMERICIUM-241	0.001	PCI/L	0.002	U	Y	4	0
		GROSS ALPHA	4	PCI/L	1.4		Y	15	0
		GROSS BETA	5.6	PCI/L	1.2		Y	50	0
		PLUTONIUM-239/240	0.003	PCI/L	0.011	U	Y	15	0
		STRONTIUM-89,90	-0.019	PCI/L	0.24	U	Y	8	0
		TOTAL RADIOCESIUM	0.061	PCI/L	0.13	U	Y		
		TRITIUM	-30	PCI/L	140	U	Y	20000	0
		URANIUM-233,-234	4.5	PCI/L	0.91		Y		
		URANIUM-235	0.071	PCI/L	0.071	U	Y		
		URANIUM-238	2.8	PCI/L	0.66		Y		
		TOTAL URANIUM	7.371		1.641			40	0
FT10258RG	7-Jun-94	STRONTIUM-89,90	0.01	PCI/L	0.11	U	Z	8	0
		TOTAL RADIOCESIUM	-0.12	PCI/L	0.086	U	Z		
FT10258RG	7-Jun-94	AMERICIUM-241	-0.002	PCI/L	0.003	U	Y	4	0
		GROSS ALPHA	7.1	PCI/L	1.8		Y	15	0
		GROSS BETA	5.7	PCI/L	1.1		Y	50	0
		PLUTONIUM-239/240	0.002	PCI/L	0.007	U	Y	15	0
		STRONTIUM-89,90	-0.017	PCI/L	0.099	U	Y	8	0
		TOTAL RADIOCESIUM	-0.047	PCI/L	0.062	U	Y		
		TRITIUM	160	PCI/L	160	U	Y	20000	0
		URANIUM-233,-234	3.5	PCI/L	0.5		Y		
		URANIUM-235	0.21	PCI/L	0.13	J	Y		
		URANIUM-238	2.9	PCI/L	0.46		Y		
		TOTAL URANIUM	6.61		1.09			40	0

881 Footing Drain Water Quality April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10210RG	12-Apr-94	BICARBONATE AS CACO3	200	MG/L		Z		
		CARBONATE AS CACO3	1	MG/L	U	Z		
		CHLORIDE	110	MG/L		Z	250	0
		FLUORIDE	1	MG/L		Z		
		NITRATE/NITRITE	5.1	MG/L		Z	10	0
		SULFATE	39	MG/L		Z	250	0
		TOTAL DISSOLVED SOLIDS	440	MG/L		Z	400	1
		TOTAL SUSPENDED SOLIDS	4	MG/L	U	Z		
FT10210RG	12-Apr-94	4,4'-DDD	0.1	UG/L	U	V		
		4,4'-DDE	0.1	UG/L	U	V		
		4,4'-DDT	0.1	UG/L	U	V		
		ALDRIN	0.05	UG/L	U	V		
		AROCLOR-1016	0.5	UG/L	U	V		
		AROCLOR-1221	0.5	UG/L	U	V		
		AROCLOR-1232	0.5	UG/L	U	V		
		AROCLOR-1242	0.5	UG/L	U	V		
		AROCLOR-1248	0.5	UG/L	U	V		
		AROCLOR-1254	1	UG/L	U	V		
		AROCLOR-1260	1	UG/L	U	V		
		BICARBONATE AS CACO3	210	MG/L		V		
		CARBONATE AS CACO3	1	MG/L	U	V		
		CHLORIDE	110	MG/L		V	250	0
		DI-BUTYLCHLORENDATE	89	%REC		Z		
		DIELDRIN	0.1	UG/L	U	V		
		ENDOSULFAN I	0.05	UG/L	U	V		
		ENDOSULFAN II	0.1	UG/L	U	V		
		ENDOSULFAN SULFATE	0.1	UG/L	U	V		
		ENDRIN	0.1	UG/L	U	V		
		ENDRIN ALDEHYDE				Z		
		ENDRIN KETONE	0.1	UG/L	U	V		
		FLUORIDE	1	MG/L		V		
		HEPTACHLOR	0.05	UG/L	U	V		
		HEPTACHLOR EPOXIDE	0.05	UG/L	U	V		
		METHOXYCHLOR	0.5	UG/L	U	V		

881 Footing Drain Water Quality April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10210RG	12-Apr-94	NITRATE/NITRITE	5.1	MG/L		V	10	0
		SULFATE	39	MG/L		V	250	0
		TOTAL DISSOLVED SOLIDS	460	MG/L		V	400	1
		TOTAL SUSPENDED SOLIDS	4	MG/L	U	V		
		TOXAPHENE	1	UG/L	U	V		
		alpha-BHC	0.05	UG/L	U	V		
		alpha-CHLORDANE	0.5	UG/L	U	V		
		beta-BHC	0.05	UG/L	U	V		
		delta-BHC	0.05	UG/L	U	V		
		gamma-BHC (LINDANE)	0.05	UG/L	U	V		
		gamma-CHLORDANE	0.5	UG/L	U	V		
FT10238RG	9-May-94	4,4'-DDD	0.1	UG/L	U	V		
		4,4'-DDE	0.1	UG/L	U	V		
		4,4'-DDT	0.1	UG/L	U	V		
		ALDRIN	0.05	UG/L	U	V		
		AROCLOR-1016	0.5	UG/L	U	V		
		AROCLOR-1221	0.5	UG/L	U	V		
		AROCLOR-1232	0.5	UG/L	U	V		
		AROCLOR-1242	0.5	UG/L	U	V		
		AROCLOR-1248	0.5	UG/L	U	V		
		AROCLOR-1254	1	UG/L	U	V		
		AROCLOR-1260	1	UG/L	U	V		
		BICARBONATE AS CACO <sub>3</sub>	220	MG/L		Y		
		CARBONATE AS CACO <sub>3</sub>	1	MG/L	U	Y		
		CHLORIDE	110	MG/L		Y	250	0
		DI-BUTYLCHLORENDATE	93	%REC		Z		
		DIELDRIN	0.1	UG/L	U	V		
		ENDOSULFAN I	0.05	UG/L	U	V		
		ENDOSULFAN II	0.1	UG/L	U	V		
		ENDOSULFAN SULFATE	0.1	UG/L	U	V		
		ENDRIN	0.1	UG/L	U	V		
		ENDRIN ALDEHYDE				Z		
		ENDRIN KETONE	0.1	UG/L	U	V		
		FLUORIDE		MG/L		Y		

## 881 Footing Drain Water Quality April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10238RG	9-May-94	HEPTACHLOR	0.05	UG/L	U	V		
		HEPTACHLOR EPOXIDE	0.05	UG/L	U	V		
		METHOXYCHLOR	0.5	UG/L	U	V		
		NITRATE/NITRITE	7	MG/L		Y	10	0
		SULFATE	45	MG/L		Y	250	0
		TOTAL DISSOLVED SOLIDS	540	MG/L		Y	400	1
		TOTAL SUSPENDED SOLIDS	4	MG/L	U	Y		
		TOXAPHENE	1	UG/L	U	V		
		alpha-BHC	0.05	UG/L	U	V		
		alpha-CHLORDANE	0.5	UG/L	U	V		
		beta-BHC	0.05	UG/L	U	V		
		delta-BHC	0.05	UG/L	U	V		
		gamma-BHC (LINDANE)	0.05	UG/L	U	V		
		gamma-CHLORDANE	0.5	UG/L	U	V		
FT10239RG	9-May-94	BICARBONATE AS CACO3	220	MG/L		Y		
		CARBONATE AS CACO3	1	MG/L	U	Y		
		CHLORIDE	110	MG/L		Y	250	0
		FLUORIDE	1	MG/L		Y	250	0
		SULFATE	45	MG/L		Y	400	1
		TOTAL DISSOLVED SOLIDS	530	MG/L		Y		
FT10249RG	17-May-94	TOTAL SUSPENDED SOLIDS	4	MG/L	U	Y		
		BICARBONATE AS CACO3	220	MG/L		Y		
		CARBONATE AS CACO3	1	MG/L	U	Y		
		CHLORIDE	97	MG/L		Y	250	0
		FLUORIDE	1.1	MG/L		Y		
		NITRATE/NITRITE	6.6	MG/L		Y	10	0
		SULFATE	43	MG/L		Y	250	0
		TOTAL DISSOLVED SOLIDS	500	MG/L		Y	400	1
		TOTAL SUSPENDED SOLIDS	4	MG/L	U	Y		
FT10258RG	7-Jun-94	pH	8.14	PH		Y		
		4,4'-DDD	0.1	UG/L	U	V		
		4,4'-DDE	0.1	UG/L	U	V		

## 881 Footing Drain Water Quality April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10258RG	7-Jun-94	4,4'-DDT		0.1 UG/L	U	V		
		ALDRIN		0.05 UG/L	U	V		
		AROCLOR-1016		0.5 UG/L	U	V		
		AROCLOR-1221		0.5 UG/L	U	V		
		AROCLOR-1232		0.5 UG/L	U	V		
		AROCLOR-1242		0.5 UG/L	U	V		
		AROCLOR-1248		0.5 UG/L	U	V		
		AROCLOR-1254		1 UG/L	U	V		
		AROCLOR-1260		1 UG/L	U	V		
		BICARBONATE AS CACO3	210	MG/L		V		
		CARBONATE AS CACO3		1 MG/L	U	V		
		CHLORIDE	110	MG/L		V	250	0
		DI-BUTYLCHLORENDATE	86	%REC		Z		
		DIELDRIN	0.1	UG/L	U	V		
		ENDOSULFAN I	0.05	UG/L	U	V		
		ENDOSULFAN II	0.1	UG/L	U	V		
		ENDOSULFAN SULFATE	0.1	UG/L	U	V		
		ENDRIN	0.1	UG/L	U	V		
		ENDRIN ALDEHYDE				Z		
		ENDRIN KETONE	0.1	UG/L	U	V		
		FLUORIDE	1	MG/L		V		
		HEPTACHLOR	0.05	UG/L	U	V		
		HEPTACHLOR EPOXIDE	0.05	UG/L	U	V		
		METHOXYSCHLOR	0.5	UG/L	U	V		
		NITRATE/NITRITE	6.7	MG/L		V	10	0
		SULFATE	36	MG/L		V	250	0
		TOTAL DISSOLVED SOLIDS	520	MG/L		V	400	1
		TOTAL SUSPENDED SOLIDS	4	MG/L	U	V		
		TOXAPHENE	1	UG/L	U	V		
		alpha-BHC	0.05	UG/L	U	V		
		alpha-CHLORDANE	0.5	UG/L	U	V		
		beta-BHC	0.05	UG/L	U	V		
		delta-BHC	0.05	UG/L	U	V		
		gamma-BHC (LINDANE)	0.05	UG/L	U	V		
		gamma-CHLORDANE	0.5	UG/L	U	V		

## 881 Collection Well VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10268RG	17-Jun-94	2-BUTANONE	80	UG/L	J			
		2-CHLORONAPHTHALENE	10	UG/L	U	V		
		2-CHLOROPHENOL	10	UG/L	U	V		
		2-FLUOROBIPHENYL	54	%REC	Z			
		2-HEXANONE	10	UG/L	U	V		
		2-METHYLNAPHTHALENE	10	UG/L	U	V		
		2-METHYLPHENOL	10	UG/L	U	V		
		2-NITROANILINE	50	UG/L	U	V		
		2-NITROPHENOL	10	UG/L	U	V		
		3,3'-DICHLOROBENZIDINE	20	UG/L	U	V		
		3-NITROANILINE	50	UG/L	U	R		
		4,6-DINITRO-2-METHYLPHENOL	50	UG/L	U	V		
		4-CHLORO-3-METHYLPHENOL	10	UG/L	U	V		
		4-CHLOROANILINE	10	UG/L	U	R		
		4-CHLOROPHENYL PHENYL ETHER	10	UG/L	U	V		
		4-METHYL-2-PENTANONE	10	UG/L	U	V		
		4-METHYLPHENOL	10	UG/L	U	V		
		4-NITROANILINE	50	UG/L	U	V		
		4-NITROPHENOL	50	UG/L	U	V		
		ACENAPHTHENE	10	UG/L	U	V		
		ACENAPHTHYLENE	10	UG/L	U	V		
		ACETONE	10	UG/L	U	V		
		ANTHRACENE	10	UG/L	U	V		
		BENZENE	5	UG/L	U	V		
		BENZO(a)ANTHRACENE	10	UG/L	U	V		
		BENZO(a)PYRENE	10	UG/L	U	V		
		BENZO(b)FLUORANTHENE	10	UG/L	U	V		
		BENZO(ghi)PERYLENE	10	UG/L	U	V		
		BENZO(k)FLUORANTHENE	10	UG/L	U	V		
		BENZOIC ACID	50	UG/L	U	V		
		BENZYL ALCOHOL	10	UG/L	U	V		
		BIS(2-CHLOROETHOXY)METHANE	10	UG/L	U	V		
		BIS(2-CHLOROETHYL)ETHER	10	UG/L	U	V		
		BIS(2-CHLOROISOPROPYL)ETHER	10	UG/L	U	V		
		BIS(2-ETHYLHEXYL)PHTHALATE	46	UG/L	U	V		
		BROMODICHLOROMETHANE	5	UG/L	U	V		
		BROMOFLUOROBENZENE	99	%REC	Z			
		BROMOFORM	5	UG/L	U	V		
		BROMOMETHANE	10	UG/L	U	V		
		BUTYL BENZYL PHTHALATE	10	UG/L	U	V		
		CARBON DISULFIDE	5	UG/L	U	V		
		CARBON TETRACHLORIDE	4	UG/L	J	A	5	0
		CHLOROBENZENE	5	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	5	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	V		
		CHRYSENE	10	UG/L	U	V		
		DI-n-BUTYL PHTHALATE	10	UG/L	U	V		
		DI-n-OCTYL PHTHALATE	2	UG/L	J	A		
		DIBENZO(a,h)ANTHRACENE	10	UG/L	U	V		
		DIBENZOFURAN	10	UG/L	U	V		
		DOBROMOCHLOROMETHANE	5	UG/L	U	V		
		DIETHYL PHTHALATE	10	UG/L	U	V		
		DIMETHYL PHTHALATE	10	UG/L	U	V		
		ETHYLBENZENE	5	UG/L	U	V		
		FLUORANTHENE	10	UG/L	U	V		
		FLUORENE	10	UG/L	U	V		
		FURAN,TETRAHYDRO-	19	UG/L	J	Z		
		HEXAChLOROBENZENE	10	UG/L	U	V		
		HEXAChLOROBUTADIENE	10	UG/L	U	V		
		HEXAChLOROCYCLOPENTADIENE	10	UG/L	U	V		

## 881 Collection Well VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10268RG	17-Jun-94	HEXACHLOROETHANE	10	UG/L	U	V		
		Hexanedioic acid, diethyl ester	97	UG/L	J	Z		
		INDENO(1,2,3-cd)PYRENE	10	UG/L	U	V		
		ISOPHORONE	10	UG/L	U	V		
		METHYLENE CHLORIDE	5	UG/L	U	V	5	0
		N-NITROSO-DI-n-PROPYLAMINE	10	UG/L	U	V		
		N-NITROSODIPHENYLAMINE	10	UG/L	U	V		
		NAPHTHALENE	10	UG/L	U	V		
		NITROBENZENE	10	UG/L	U	V		
		NITROBENZENE-D5	57	%REC		Z		
		PENTACHLOROPHENOL	50	UG/L	U	V		
		PHENANTHRENE	10	UG/L	U	V		
		PHENOL	10	UG/L	U	V		
		PHENOL-D5	68	%REC		Z		
		PYRENE	10	UG/L	U	V		
		STYRENE	5	UG/L	U	V		
		TERPHENYL-D14	95	%REC		Z		
		TETRACHLOROETHENE	89	UG/L		V	5	1
		TOLUENE	5	UG/L	U	V	2000	0
		TOLUENE - D8	98	%REC		Z		
		TOTAL XYLENES	5	UG/L	U	V		
		TRICHLOROETHENE	570	UG/L	E	Z	5	1
		VINYL ACETATE	10	UG/L	U	V		
		VINYL CHLORIDE	10	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	5	UG/L	U	V		
		<i>o</i> -FLUOROPHENOL	75	%REC		Z		
		p-BROMODIPHENYL ETHER	10	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	5	UG/L	U	V		

## 881 Collection Well VOA April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10268RG	17-Jun-94	1,1,1-TRICHLOROETHANE	25	UG/L	U	Z	200	0
		1,1,2,2-TETRACHLOROETHANE	25	UG/L	U	Z		
		1,1,2-TRICHLOROETHANE	25	UG/L	U	Z		
		1,1-DICHLOROETHANE	25	UG/L	U	Z	5	0*
		1,1-DICHLOROETHENE	24	UG/L	DJ	Z	7	1
		1,2 DICHLOROETHANE -D4	87	%REC		Z		
		1,2-DICHLOROETHANE	25	UG/L	U	Z	5	0*
		1,2-DICHLOROETHENE	25	UG/L	U	Z		
		1,2-DICHLOROPROPANE	25	UG/L	U	Z		
		2-BUTANONE	110	UG/L	D	Z		
		2-HEXANONE	50	UG/L	U	Z		
		4-METHYL-2-PENTANONE	50	UG/L	U	Z		
		ACETONE	50	UG/L	U	Z		
		BENZENE	25	UG/L	U	Z		
		BROMODICHLOROMETHANE	25	UG/L	U	Z		
		BROMOFLUOROBENZENE	98	%REC		Z		
		BROMOFORM	25	UG/L	U	Z		
		BROMOMETHANE	50	UG/L	U	Z		
		CARBON DISULFIDE	25	UG/L	U	Z		
		CARBON TETRACHLORIDE	25	UG/L	U	Z	5	0*
		CHLOROBENZENE	25	UG/L	U	Z		
		CHLOROETHANE	50	UG/L	U	Z		
		CHLOROFORM	25	UG/L	U	Z		
		CHLOROMETHANE	50	UG/L	U	Z		
		DIBROMOCHLOROMETHANE	25	UG/L	U	Z		
		ETHYLBENZENE	25	UG/L	U	Z		
		METHYLENE CHLORIDE	25	UG/L	U	Z	5	0*
		STYRENE	25	UG/L	U	Z		
		TETRACHLOROETHENE	130	UG/L	D	Z	5	1
		TOLUENE	25	UG/L	U	Z	2000	0
		TOLUENE - D8	95	%REC		Z		
		TOTAL XYLENES	25	UG/L	U	Z		
		TRICHLOROETHENE	880	UG/L	D	V	5	1
		VINYL ACETATE	50	UG/L	U	Z		
		VINYL CHLORIDE	50	UG/L	U	Z		
		cis-1,3-DICHLOROPROPENE	25	UG/L	U	Z		
		trans-1,3-DICHLOROPROPENE	25	UG/L	U	Z		

\* Denotes change in detect limit by dilution

FT10268RG	17-Jun-94	1,1,1-TRICHLOROETHANE	6	UG/L	V	200	0
		1,1,2,2-TETRACHLOROETHANE	5	UG/L	U	V	
		1,1,2-TRICHLOROETHANE	5	UG/L	U	V	
		1,1-DICHLOROETHANE	5	UG/L	U	V	5
		1,1-DICHLOROETHENE	17	UG/L	V	7	1
		1,2 DICHLOROETHANE -D4	91	%REC		Z	
		1,2,4-TRICHLOROBENZENE	10	UG/L	U	V	
		1,2-DICHLOROBENZENE	10	UG/L	U	V	
		1,2-DICHLOROETHANE	5	UG/L	U	V	5
		1,2-DICHLOROETHENE	5	UG/L	U	V	
		1,2-DICHLOROPROPANE	5	UG/L	U	V	
		1,3-DICHLOROBENZENE	10	UG/L	U	V	
		1,4-DICHLOROBENZENE	10	UG/L	U	V	
		2,4,5-TRICHLOROPHENOL	50	UG/L	U	V	
		2,4,6-TRIBROMOPHENOL	87	%REC		Z	
		2,4,6-TRICHLOROPHENOL	10	UG/L	U	V	
		2,4-DICHLOROPHENOL	10	UG/L	U	V	
		2,4-DIMETHYLPHENOL	10	UG/L	U	V	
		2,4-DINITROPHENOL	50	UG/L	U	V	
		2,4-DINITROTOLUENE	10	UG/L	U	V	
		2,6-DINITROTOLUENE	10	UG/L	U	V	

## 881 Collection Well Metals June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10268RG	17-Jun-94	ALUMINUM	33.6	UG/L	B	Y	5000	0
		ANTIMONY	14	UG/L	U	Y	60	0
		ARSENIC	1.4	UG/L	B	Y	50	0
		BARIUM	67.3	UG/L	B	Y	1000	0
		BERYLLIUM	1	UG/L	U	Y	100	0
		CADMIUM	3	UG/L	U	Y	10	0
		CALCIUM	98900	UG/L		Y		
		CESIUM	63	UG/L	U	Y		
		CHROMIUM	2.9	UG/L	B	Y	50	0
		COBALT	2	UG/L	U	Y		
		COPPER	1.3	UG/L	B	Y	200	0
		IRON	108	UG/L		Y	300	0
		LEAD	1	UG/L	U	Y	50	0
		LITHIUM	25.3	UG/L	B	Y	2500	0
		MAGNESIUM	33000	UG/L		Y		
		MANGANESE	17.8	UG/L		Y	50	0
		MERCURY	0.2	UG/L	U	Y	2	0
		MOLYBDENUM	12.5	UG/L	B	Y	100	0
		NICKEL	6	UG/L	U	Y	200	0
		POTASSIUM	6710	UG/L		Y		
		SELENIUM	381	UG/L		Y	10	1
		SILICON	8680	UG/L		Y		
		SILVER	2	UG/L	U	Y	50	0
		SODIUM	131000	UG/L		Y		
		STRONTIUM	1160	UG/L		Y		
		THALLIUM	1	UG/L	U	Y	10	0
		TIN	10	UG/L	U	Y		
		VANADIUM	12	UG/L	B	Y	100	0
		ZINC	246	UG/L	E	Y	2000	0

## 881 Collection Well Water Quality April - June 1994

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10268RG	17-Jun-94	4,4'-DDD		0.1 UG/L	U	Y		
		4,4'-DDE		0.1 UG/L	U	Y		
		4,4'-DDT		0.1 UG/L	U	Y		
		ALDRIN		0.05 UG/L	U	Y		
		AROCLOL-1016		0.5 UG/L	U	Y		
		AROCLOL-1221		0.5 UG/L	U	Y		
		AROCLOL-1232		0.5 UG/L	U	Y		
		AROCLOL-1242		0.5 UG/L	U	Y		
		AROCLOL-1248		0.5 UG/L	U	Y		
		AROCLOL-1254		1 UG/L	U	Y		
		AROCLOL-1260		1 UG/L	U	Y		
		BICARBONATE AS CACO <sub>3</sub>		230 MG/L		Y		
		CARBONATE AS CACO <sub>3</sub>		1 MG/L	U	Y		
		CHLORIDE		170 MG/L		Y	250	0
		DI-BUTYLCHLORENDATE		78 %REC		Y		
		DIELDRIN		0.1 UG/L	U	Y		
		ENDOSULFAN I		0.05 UG/L	U	Y		
		ENDOSULFAN II		0.1 UG/L	U	Y		
		ENDOSULFAN SULFATE		0.1 UG/L	U	Y		
		ENDRIN		0.1 UG/L	U	Y		
		ENDRIN ALDEHYDE				Z		
		ENDRIN KETONE		0.1 UG/L	U	Y		
		FLUORIDE		1.4 MG/L		Y		
		HEPTACHLOR		0.05 UG/L	U	Y		
		HEPTACHLOR EPOXIDE		0.05 UG/L	U	Y		
		METHOXYPHOR		0.5 UG/L	U	Y		
		NITRATE/NITRITE		4.4 MG/L		Z	10	0
		NITRATE/NITRITE		4.4 MG/L		Y	10	0
		SULFATE		170 MG/L		Y	250	0
		TOTAL DISSOLVED SOLIDS		890 MG/L		Y	400	1
		TOTAL SUSPENDED SOLIDS		4 MG/L		Y		
		TOXAPHENE		1 UG/L	U	Y		
		alpha-BHC		0.05 UG/L	U	Y		
		alpha-CHLORDANE		0.5 UG/L	U	Y		
		beta-BHC		0.05 UG/L	U	Y		
		delta-BHC		0.05 UG/L	U	Y		
		gamma-BHC (LINDANE)		0.05 UG/L	U	Y		
		gamma-CHLORDANE		0.5 UG/L	U	Y		

891 UV Influent Metals April - June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10212RG	20-Apr-94	SODIUM	49600	UG/L	V	V		
		STRONTIUM	653	UG/L	V	V		
		THALLIUM	1	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	4.1	UG/L	U	JA	100	0
		ZINC	69.2	UG/L	V	V	2000	0
FT10241RG	10-May-94	ALUMINUM	18	UG/L	B	Y	5000	0
		ANTIMONY	14	UG/L	U	Y	60	0
		ARSENIC	2.9	UG/L	B	Y	50	0
		BARIUM	161	UG/L	B	Y	1000	0
		BERYLLIUM	1	UG/L	U	Y	100	0
		CADMUM	3	UG/L	U	Y	10	0
		CALCIUM	95000	UG/L		Y		
		CESIUM	63	UG/L	U	Y		
		CHROMIUM	2	UG/L	U	Y	50	0
		COBALT	2	UG/L	U	Y		
		COPPER	1	UG/L	U	Y	200	0
		IRON	31.9	UG/L	B	Y	300	0
		LEAD	1	UG/L	U	Y	50	0
		LITHIUM	12.2	UG/L	B	Y	2500	0
		MAGNESIUM	21100	UG/L		Y		
		MANGANESE	1	UG/L	U	Y	50	0
		MERCURY	0.2	UG/L	U	Y	2	0
		MOLYBDENUM	3	UG/L	U	Y	100	0
		NICKEL	6	UG/L	U	Y	200	0
		POTASSIUM	2350	UG/L	B	Y		
		SELENIUM	5	UG/L		Y	10	0
		SILICON	6030	UG/L		Y		
		SILVER	2	UG/L	U	Y	50	0
		SODIUM	50000	UG/L		Y		
		STRONTIUM	649	UG/L		Y		
		THALLIUM	2	UG/L	UWN	Y	10	0
		TIN	10	UG/L	U	Y		
		VANADIUM	2	UG/L	U	Y	100	0
		ZINC	29.9	UG/L		Y	2000	0
FT10260RG	8-Jun-94	ALUMINUM	23.4	UG/L	U	JA	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	2.1	UG/L	B	V	50	0
		BARIUM	167	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMUM	3	UG/L	U*	JA	10	0
		CALCIUM	94600	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	3.4	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	2.2	UG/L	U	JA	200	0
		IRON	89.9	UG/L	B	V	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	13.4	UG/L	B	V	2500	0
		MAGNESIUM	21200	UG/L		V		
		MANGANESE	2	UG/L	B	V	50	0
		MERCURY	0.2	UG/L	U	V	2	0

891 UV Influent Metals April - June 1994

Sample Number FT10260RG	Sample Date 8-Jun-94	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
		MOLYBDENUM	3	UG/L	U	V	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	2570	UG/L	U	JA		
		SELENIUM	5.8	UG/L		V	10	0
		SILICON	6170	UG/L		V		
		SILVER	2	UG/L	U	V	50	0
		SODIUM	53100	UG/L		V		
		STRONTIUM	666	UG/L		V		
		THALLIUM	2	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	2.5	UG/L	U	JA	100	0
		ZINC	35.9	UG/L	E	JA	2000	0

## 891 UV Influent Metals April - June 1994

Sample Number	Sample Date	Element	Result	Unit Meas	Qual	Vqual	ARAR	SAM > ARAR
FT10213RG	20-Apr-94	ALUMINUM	34.2	UG/L	U	JA	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	2.3	UG/L	B	V	50	0
		BARIUM	164	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMUM	3	UG/L	U	V	10	0
		CALCIUM	94000	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	2.3	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	3.3	UG/L	U	JA	200	0
		IRON	43	UG/L	U	JA	300	0
		LEAD	1	UG/L	U	V	50	0
		LITHIUM	12.8	UG/L	B	V	2500	0
		MAGNESIUM	20500	UG/L		V		
		MANGANESE	1.6	UG/L	U	JA	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	3.7	UG/L	U	JA	100	0
		NICKEL	6	UG/L	U	V	200	0
		POTASSIUM	3150	UG/L	B	V		
		SELENIUM	4.5	UG/L	B	V	10	0
		SILICON	6010	UG/L		V		
		SILVER	2	UG/L	U	V	50	0
		SODIUM	49900	UG/L		V		
		STRONTIUM	662	UG/L		V		
		THALLIUM	1	UG/L	U	V	10	0
		TIN	10	UG/L	U	V		
		VANADIUM	4.3	UG/L	U	JA	100	0
		ZINC	56.5	UG/L		V	2000	0
FT10212RG	20-Apr-94	ALUMINUM	42.7	UG/L	U	JA	5000	0
		ANTIMONY	14	UG/L	U	V	60	0
		ARSENIC	3	UG/L	B	V	50	0
		BARIUM	162	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMUM	3	UG/L	U	V	10	0
		CALCIUM	93200	UG/L		V		
		CESIUM	63	UG/L	U	V		
		CHROMIUM	3.8	UG/L	U	JA	50	0
		COBALT	2	UG/L	U	V		
		COPPER	5.5	UG/L	U	JA	200	0
		IRON	56.8	UG/L	U	JA	300	0
		LEAD	1	UG/L	UW	V	50	0
		LITHIUM	12.3	UG/L	B	V	2500	0
		MAGNESIUM	20300	UG/L		V		
		MANGANESE	2	UG/L	U	JA	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	4.7	UG/L	U	JA	100	0
		NICKEL	6	UG/L	B	V	200	0
		POTASSIUM	3180	UG/L	B	V		
		SELENIUM	5.9	UG/L		V	10	0
		SILICON	5910	UG/L		V		
		SILVER	2	UG/L	U	V	50	0

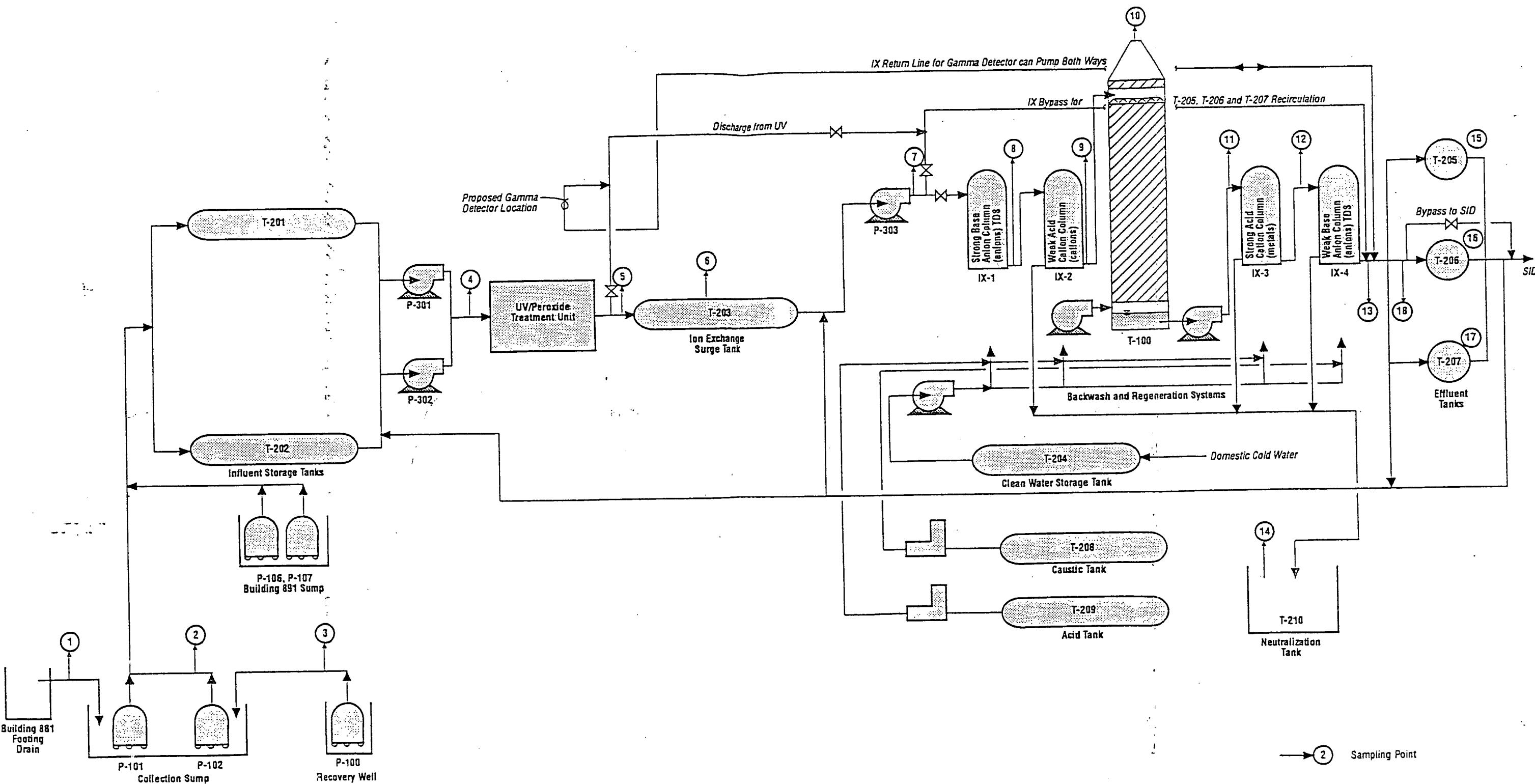


FIGURE 1.0.1

# Rocky Flats OU1 July – September 1994 Water Level Map

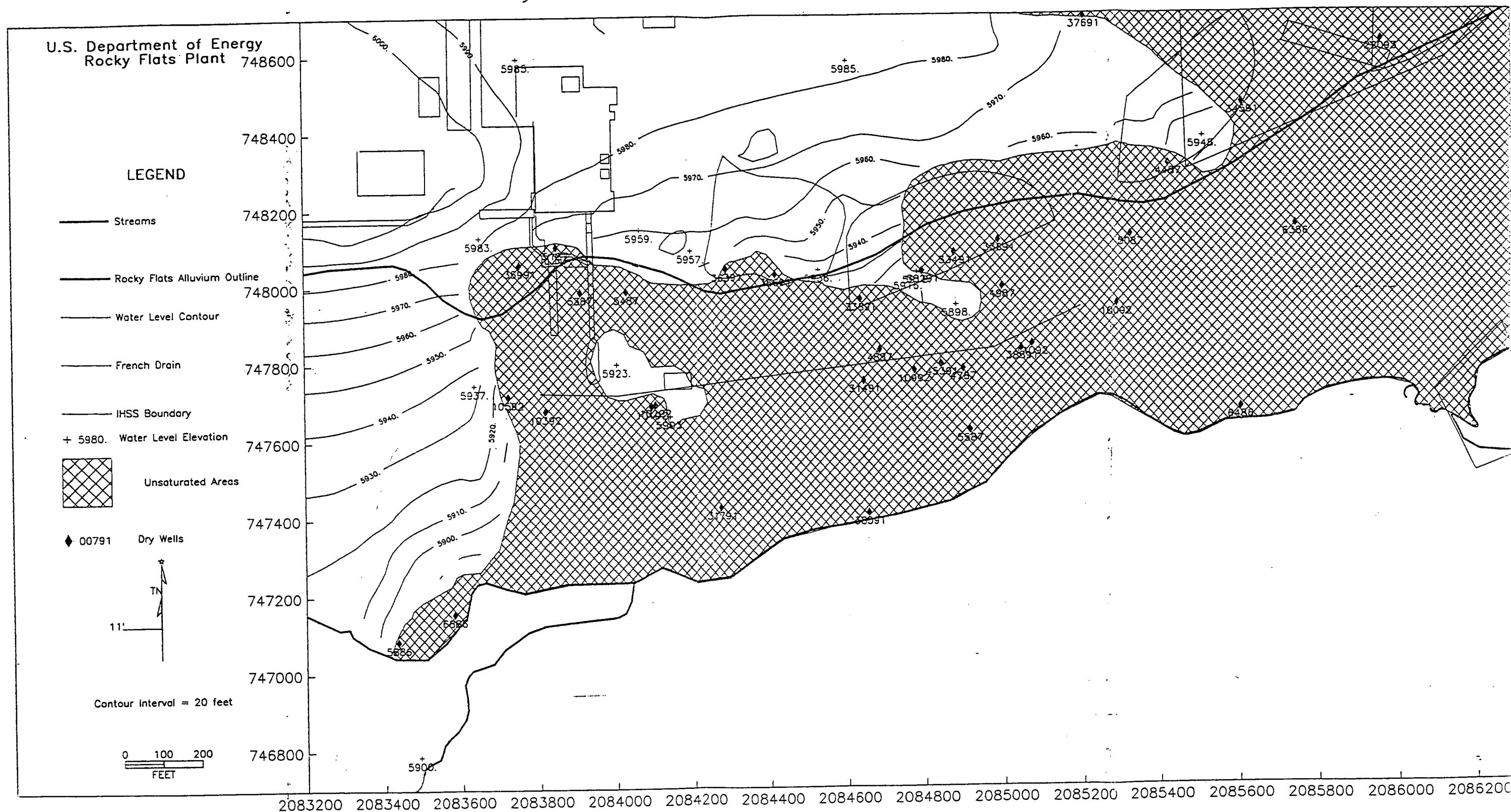


FIGURE 9.1.1